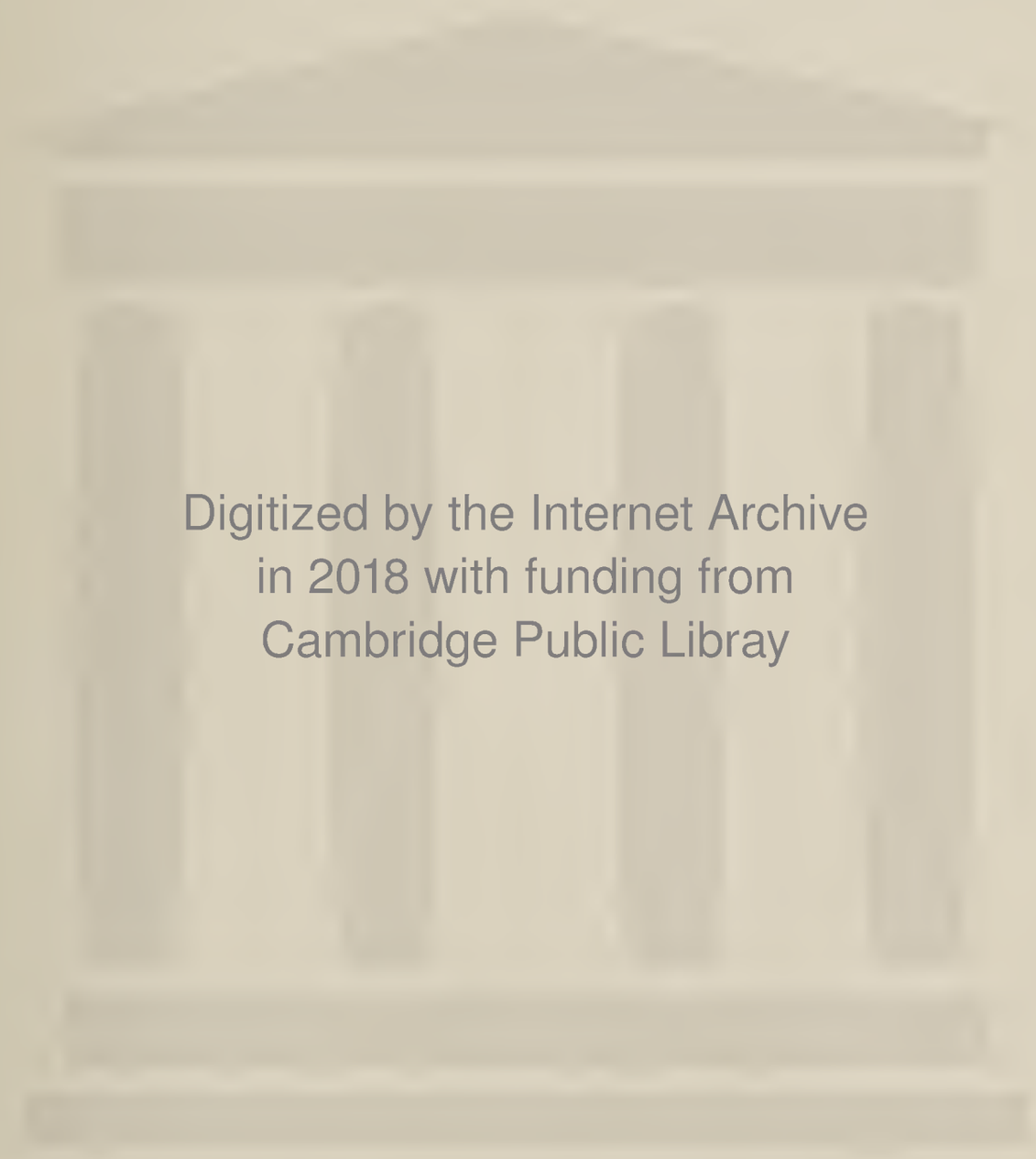

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HON. WILLIAM F. BROOKS
Mayor 1909-1910
Cambridge, Massachusetts

City of Cambridge
Massachusetts

352
C14

THE

MAYOR'S ADDRESS

AT THE

ORGANIZATION OF THE CITY GOVERNMENT
April 5, 1909

AND

THE

ANNUAL REPORTS

MADE TO THE CITY COUNCIL

FOR THE PERIOD

From December 1, 1907, to March 31, 1909

PUBLISHED BY ORDER OF THE CITY COUNCIL
UNDER THE DIRECTION OF THE
CITY CLERK

E. L. Grimes Company, Printers, 122 Pearl Street, Boston

INAUGURAL ADDRESS

OF

HON. WILLIAM F. BROOKS

APRIL 5, 1909

Gentlemen of the City Council:—

Today we enter upon a new chapter in the life of our beloved City and having solemnly placed ourselves on record to perform faithfully all duties that may arise during the ensuing year, are bound to each other by a common desire and a common determination to uphold and advance her honor and her renown, to make this year memorable in her annals, always recognizing the peculiar obligations and responsibilities which rest upon all as citizens and especially upon us as members of her city government.

Cambridge is in area one of the smallest cities in the Commonwealth, covering about 3,900 acres of land. Of this 395.28 acres is given over to parks, commons and cemeteries; 299.33 acres to city property, schools and other public buildings ; 146.88 acres to religious, educational and charitable institutions, and 620 acres, approximately, to streets and highways. This leaves about 2,438.51 acres of real estate. The owners and occupants of this small area bear nearly the entire burden of taxation.

Our total indebtedness to March 31, 1909, was $11,397,550; amount of sinking fund, $3,099,650.59, making the net indebtedness $8,297,899.41.

The real estate and personal property is valued for the purposes of taxation at $105,801,075.

The amount which may be raised under the provisions of the law on the valuation for this year is $1,264,589.70, or $12.00 on

every $1,000 of valuation, $5.00 for schools, $520,489.71, leaving for the administration of the various departments, $744,099.99.

It is most important that we pursue a course which will give to the City the largest return for money expended and believing that greater economy and efficiency could be accomplished by changes in some departments, I would recommend for your consideration the following:

That the Street, Sewer, Waterworks Construction and Department of Lamps and Wires be consolidated with the Engineer's Department, the same to be under the direction and control of the City Engineer and designated as City Engineer and Commissioner of Public Works Department.

I would recommend, also, the consolidation of the Park and Cemetery Departments under the head of Parks and Cemetery Department.

I have always felt that the Assessors' Department should be removed as far as possible from all political entanglements and that the members of that Board should take no active part in political contests. The members are now elected at large. I believe it would be a move in the right direction to have the members of this Board appointed by the Mayor, subject to confirmation by the Board of Aldermen ; that there should be four members instead of three as at present, one to be appointed as Chairman who shall give all his time to the office, the other three members to meet with him at least once a week and at such other times as is necessary for the good of the office or at the request of the Chairman.

I would recommend that all abatements made by the Board be published in the local papers the week following the date of such abatements, and that all additional assessments of polls, giving names of principal and witnesses, be published in like manner.

The City expends annually more than $300,000 for supplies for the various departments. She should have the benefit of

all discounts which any private concern has. I think that it would mean a saving of thousands of dollars to the City if all supplies were purchased by one person who would see to it that the City received proper discount, and I recommend the appointment of a Purchasing Agent.

These recommendations which I have made all require legislative sanction before going into effect, and if you in your official capacity agree with me in any or all of them, a petition to the General Court is necessary for such legislation. I therefore ask your careful attention at your earliest convenience, for these very important considerations.

The citizens at the recent City election strongly emphasized their wish for playgrounds, and it will be necessary for us to do something towards solving the playground problem. This I trust we may be able to do at an early date.

Under the provisions of our new City charter a School Board of five members has been elected to administer all of the affairs connected with our schools. They have been given full power, subject to the Mayor's veto, to expend five-twelfths of the total amount which the City by-law may expend for current expenses. The successful administration of our schools is one of the most important elements in our municipal affairs, and I am ready and shall be pleased to advise with this Board at all times.

In meeting the problems which may present themselves during the year, let us not forget that each one of us according to our opportunities and our employment of them, has an individual responsibility for the course and character of Public Opinion—the Public Opinion which shapes and controls the course of Public Events. Gentlemen—let conscience be our censor.

ANNUAL REPORTS

REPORT OF THE CITY AUDITOR

City Auditor's Office,
Cambridge, April 1, 1908.

To the Honorable, the City Council:—

The undersigned herewith presents a statement of the receipts and disbursements of the City of Cambridge for the four months, beginning on the first day of December, 1907, and ending on the thirty-first day of March, 1908.

The first part of this report is devoted to an exhibit of the receipts and disbursements of the City arranged upon the Schedules for Uniform Municipal Accounting as issued by the Bureau of Statistics of Labor of the Commonwealth of Massachusetts. Following these schedules are presented detailed statements of expenditures arranged in the same order.

Respectfully submitted,
HARRY T. UPHAM,
City Auditor.

RECEIPTS.—Classified by Sources.

SOURCES OF RECEIPTS	Receipts from Revenue	Capital Receipts including those from Loans and Bonds	Receipts from all other sources	Total Receipts
I. TAXES.				
1. Real Estate and Personal—Current Year	$303,041 08			
2. Poll Taxes—Current Year	6,368 00			
3. Real Estate and Personal—Previous Years	3,567 97			
4. Poll Taxes—Previous Years				
5. Street Railway Tax by City				
6. All Other Taxes by City				
7. Corporation Tax from State	7,877 84			
8. National Bank Tax from State	447 79			
9. Street Railway Tax from State				
10. All Other Taxes from State				
Total from Taxes	$321,302 68			$321,302 68
II. LICENSES				
1. Amusement				
2. Auctioneers	$14 00			
3. Business	272 15			
4. Dog, from County	5,281 66			
5. Druggists				
6. Fish Rights				
7. Junk	38 00			
8. Liquor				
9. Pool and Bowling Alleys	8 00			
10. All Others, a. Marriage	132 00			
Total from Licenses	$5,745 81			$5,745 81
III. SPECIAL ASSESSMENTS				
1. Sewers	$1,580 22			
2. Sidewalks and Curbing	7,516 85			
3. Street Sprinkling	5,370 83			
4. Moth Extermination	464 15			
5. All Others				
Total from Special Assessments	$14,932 05			$14,932 05
IV. SOLDIERS' RELIEF				
1. State Aid				
2. Military Aid				
3. Soldiers' Burials				
4. Soldiers' Relief from Other Cities and Towns	$13 00			
5. All Others, a. Board	142 00			
b. Money Refunded on Pay-rolls	185 50			
Total from Soldiers' Relief	$340 50			$340 50

PAYMENTS.—Classified by Objects.

OBJECTS OF PAYMENTS	Payments Account Expenses Current Year	Capital Payments including those on Loans and Bonds	Payments on all other Accounts	Total
Ia. TAXES				
1. County Tax				
2. Taxes Refunded (abated and discounted)	$16,844 14			
3. State Tax				
4. State Corporation Tax				
5. State National Bank Tax				
6. Wellington Bridge Tax				
7. Wellesley Bridge Tax				
8. All Other Taxes to State				
9. All Other Tax Payments				
Total for Taxes	$16,844 14			$16,844 14
IIa. LICENSES				
1. Liquor Licenses to State				
2. Licenses Refunded	$15 75			
3. All Others				
Total for Licenses	$15 75			$15 75
IIIa. SPECIAL ASSESSMENTS				
1. Special Assessments Refunded	$21 21			
2. All Others				
Total for Special Assessments	$21 21			$21 21
IVa. SOLDIERS' RELIEF				
1. State Aid	$4,910 00			
2. Military Aid	288 00			
3. Soldiers' Burials	350 00			
4. Soldiers' Relief	4,715 93			
5. All Others, a. Agent and Clerk	180 52			
b. Traveling and Office Expenses	50 35			
Total for Soldiers' Relief	$10,494 80			$10,494 80

RECEIPTS.—Classified by Sources.

SOURCES OF RECEIPTS	Receipts from Revenue	Capital Receipts including those from Loans and Bonds	Receipts from all other sources	Total Receipts
V. GENERAL GOVERNMENT				
1. Legislative				
a. Aldermen and Council				
2. Executive				
a. Mayor's Office				
3. Financial				
a. Auditor				
b. Treasurer				
c. Collector	$866 20			
d. Assessors				
e. Sinking Fund Commissioners				
4. Other General Departments				
a. City Clerk	228 08			
b. Law				
c. City Messenger				
d. Public Works				
5. City Hall	890 00			
6. Elections and Registration				
7. Printing and Stationery	677 71			
8. Miscellaneous				
Total from General Government	$2,661 99			$2,661 9
VI. PROTECTION OF LIFE AND PROPERTY				
1. Police Department.				
a. Sale of Materials				
b. Fines (Police Court, etc.)	$1,005 90			
c. Miscellaneous				
a. Materials for Uniforms	235 00			
2. Militia				
3. Armories				
4. Fire Department				
a. Sale of Materials				
b. Miscellaneous				
5. Alarm				
a. Fire*				
b. Police*				
6. Miscellaneous				
a. Inspection of Buildings	447 42			
b. Inspection of Plumbing				
c. Inspection of Wires	4 00			
d. Sealing of Weights and Measures				
Total from Protection of Life and Property	$1,692 32			$1,692 32

*Included under Inspection of Wires.

PAYMENTS.—CLASSIFIED BY OBJECTS.

OBJECTS OF PAYMENTS	Payments Account Expenses Current Year	Capital Payments including those on Loans and Bonds	Payments on all other Accounts	Total Payments
Va. GENERAL GOVERNMENT				
1. Legislative				
a. Salaries of Aldermen and Council				
b. Other Salaries (including Clerk of Committees)	$1,561 36			
c. All Other Expenses	1,794 51			
2. Executive				
a. Salary of Mayor	1,166 66			
b. Other Salaries	646 00			
c. All Other Expenses	170 00			
3. Financial				
a. Auditor	1,421 93			
b. Treasurer	} 4,634 31			
c. Collector				
d. Assessors	3,459 38			
e. Sinking Fund Commissioners	205 00			
4. Other General Departments				
a. City Clerk*	3,450 77			
b. Law	1,581 84			
c. City Messenger	785 32			
d. Public Works				
e. Vital Statistics*				
f. License Commissioners				
5. City Hall	8,988 22			
6. Election and Registration	7,075 66			
7. Printing and Stationery	472 60			
8. Miscellaneous				
Total for General Government	$37,413 56			$37,413 56
VIa. PROTECTION OF LIFE AND PROPERTY				
1. Police Department				
a. Chief's Salary	$833 32			
b. Salaries of Police	45,316 86			
c. Constables' Services				
d. Other Salaries	2,502 50			
e. Supplies	1,975 85			
f. Pensions and Gratuities	2,809 87			
g. Repairs on Buildings	36 11			
h. New Buildings				
i. Police Stations and Lockups	104 00			
j. Court Fees				
k. Miscellaneous				
a. Materials for Uniforms	191 69			
2. Militia				
3. Armories				
4. Fire Department				
a. Chief's Salary	666 64			
b. Engineers' Salaries (Ass't Chief)	500 00			
c. Other Salaries	31,415 67			
d. Supplies	7,302 30			
e. Forest Fires				
f. Hydrants				
g. Pensions and Gratuities	1,343 33			
h. Repairs on Buildings	151 98			
i. New Buildings				
j. Miscellaneous				
5. Alarm				
a. Fire				
b. Police				
6. Miscellaneous				
a. Inspection of Buildings	1,990 24			
b. Inspection of Plumbing	391 00			
c. Inspection of Wires	5,476 21			
d. Sealing of Weights and Measures	1,048 13			
Total for Protection of Life and Property	$104,055 70			$104,055 70

*Vital Statistics included in City Clerk's Department.

RECEIPTS.—Classified by Sources.

SOURCES OF RECEIPTS	Receipts from Revenue	Capital Receipts including those from Loans and Bonds	Receipts from all other sources	Total Receipts
VII. HEALTH AND SANITATION				
1. Health				
a. Contagious Diseases	$2,012 79			
b. Hospitals				
c. Miscellaneous				
a. Inspection of Animals				
b. Inspection of Meat and Provisions				
c. Inspection of Milk and Vinegar				
d. Modified Milk				
2. Sanitation				
a. Privilege of Connecting House Drains and Others				
b. Sewers and Sewage Disposal				
c. Refuse and Garbage Disposal	3,164 14			
d. Miscellaneous				
a. Sale of Materials	37 79			
Total from Health and Sanitation	$5,214 72			$5,214 72
VIII. HIGHWAYS AND BRIDGES				
1. Engineering Department				
2. Sale of Materials	$381 72			
3. Street Cleaning				
4. Street Sprinkling				
5. Sidewalks and Curbing	149 67			
6. Drains and Culverts				
7. Grade Crossings				
8. State Highway				
9. Moth Extermination	11 75			
10. Miscellaneous				
a. Rent	25 00			
Total from Highways and Bridges	$568 14			$568 14

PAYMENTS.--Classified by Objects.

OBJECTS OF PAYMENTS	Payments Account Expenses Current Year	Capital Payments including those on Loans and Bonds	Payments on all other Accounts	Total Payments
VIIa. HEALTH AND SANITATION				
1. Health				
a. General Expenses	$3,189 59			
b. City or Town Physician	1,000 00			
c. Inspection of School Children	859 69			
d. Contagious Diseases	6,562 53			
e. Hospitals	2,686 35			
f. Quarantine and Pest Houses				
g. Morgue				
h. Miscellaneous				
a. Inspection of Animals	246 82			
b. Inspection of Meat and Provisions	391 00			
c. Inspection of Milk and Vinegar	667 62			
d. Modified Milk				
e. Rabies	110 00			
2. Sanitation				
a. Sewer Construction		$9,505 41		
b. Sewer Operation and Maintenance	5,280 56			
c. House Connections				
d. Refuse and Garbage Disposal	24,851 65	12,703 26*		
e. Metropolitan Sewer Tax				
f. Miscellaneous				
Total for Health and Sanitation	$45,845 81	$22,208 67		$68,054 48
VIIIa. HIGHWAYS AND BRIDGES				
1. General Supervision	$2,138 32			
2. Engineering Department	3,382 26			
3. Street Repairing and Maintenance	27,010 26			
4. Street Construction		$30,619 65		
5. Street Paving Repairs	111 50			
6. Street Paving (new Construction)		628 61		
7. Street Cleaning	6,331 29			
8. Street Lighting	26,929 74			
9. Street Sprinkling	3,013 43			
10. Sidewalks and Curbing	20 72	858 56		
11. Drains and Culverts				
12. Snow Removal	4,812 17			
13. Abolition of Grade Crossings				
14. Repairs on Bridges and Maintenance	7,137 74			
15. New Bridges		26,005 67		
16. Repairs on State Highways				
17. State Highway Construction				
18. Tree Warden and Care of Trees	910 56			
19. Moth Extermination	4,379 85			
20. Miscellaneous				
a. Board of Survey	92 90			
Total for Highways and Bridges	$86,270 74	$58,112 49		$144,383 23

*Incinerator Plant.

RECEIPTS.—Classified by Sources.

SOURCES OF RECEIPTS	Receipts from Revenue	Capital Receipts including those from Loans and Bonds	Receipts from all other sources	Total Receipts
IX. CHARITIES AND CORRECTIONS				
1. Charities				
a. Reimbursements from Other Cities and Towns	$66 91			
b. Reimbursements from State	302 06			
c. Almshouse Receipts	320 06			
d. City or Town Farm Receipts	1,550 15			
e. Children's Institutions				
f. Miscellaneous				
a. Reimbursements from Sundry Persons	82 03			
2. Corrections				
a. Prisons and Reformatories				
b. Miscellaneous				
Total from Charities and Corrections	$2,321 21			$2,321 21
X. PUBLIC SCHOOLS				
1. Sale of Text Books and Supplies				
2. Tuition	$1,795 50			
3. From State				
a. School Fund				
b. Superintendent				
c. Tuition State Wards				
d. Tuition High School				
4. Miscellaneous				
a. Sale of old materials	31 93			
Total from Public Schools	$1,827 43			$1,827 43
XI. LIBRARIES, READING ROOMS, AND ART GALLERIES				
1. Libraries and Reading Rooms				
a. Fines Collected	$234 00			
b. Miscellaneous				
2. Art Galleries				
a. Miscellaneous				
Total from Libraries, Reading Rooms and Art Galleries	$234 00			$234 00

PAYMENTS.—Classified by Objects.

OBJECTS OF PAYMENTS	Payments Account Expenses Current Year	Capital Payments including those on Loans and Bonds	Payments on all other Accounts	Total Payments
IXa. CHARITIES AND CORRECTIONS				
1. Charities				
a. Supervision (Overseers)	$888 85			
b. Almshouse	6,950 49			
c. City or Town Farm	1,124 26			
d. Children's Institutions				
e. Out-door Poor in City	3,555 96			
f. Out-door Poor Outside City	15,237 92			
g. Miscellaneous				
2. Corrections				
a. Prisons and Reformatories				
b. Miscellaneous				
Total for Charities and Corrections	$27,757 48			$27,757 48
Xa. PUBLIC SCHOOLS				
1. School Committee	$2,810 12			
2. Superintendent's Salary	1,400 00			
3. Salaries of Teachers of Day Schools	139,569 66			
4. Salaries of Teachers of Night Schools	9,717 50			
5. Other Expenses of Night Schools	1,067 25			
6. Manual Training	13,210 56			
7. Janitors and Fuel	23,915 59			
8. Text Books and Supplies	9,610 57			
9. Transportation	261 00			
10. Tuition	90 00			
11. Repairs on School Buildings	4,887 84			
12. New School Buildings				
13. Miscellaneous				
a. Truant officers	1,600 00			
b. Care of Truants	620 73			
c. Flags	11 25			
Total for Public Schools	$208,772 07			$208,772 07
XIa. LIBRARIES, READING ROOMS, AND ART GALLERIES				
1. Libraries and Reading Rooms				
a. Supervision and Salaries	$4,423 06			
b. Books and Periodicals	3,012 56			
c. Miscellaneous, Repairs, Furnishings, etc.	531 67			
a. Fuel and Lighting	779 13			
b. Printing, Stationery and Supplies	594 92			
c. Local Stations	256 50			
2. Art Galleries				
a. Supervision and Salaries				
b. Miscellaneous				
Total for Libraries, Reading Rooms and Art Galleries	$9,597 84			$9,597 84

RECEIPTS.—Classified by Sources.

SOURCES OF RECEIPTS	Receipts from Revenue	Capital Receipts including those from Loans and Bonds	Receipts from all other sources	Total Receipts
XII. RECREATION				
1. Parks and Gardens	$71 51			
2. Bath Houses	1,218 80			
3. Miscellaneous				
a. Rents	2 25			
b. Labor				
Total from Recreation	$1,292 56			$1,292 56
XIII. INTEREST				
1. Interest on Deposits	$877 00			
2. Interest on Taxes	5,731 92			
3. Miscellaneous Interest				
a. Interest on Sewer Assessments	22 83			
b. Interest on Sidewalk Assessments	30 85			
c. Accrued Interest on Bonds				
Total from Interest	$6,662 60			$6,662 60
XIV. UNCLASSIFIED				
1. Reimbursements on Bounties				
2. Receipts not Classified Under Previous Departments				
a. Sale of Sundry Documents	$20 50			
b. Refund of Damages			$125 00	
c. Lease	1 00			
d. Sale of Old Paper	2 80			
Total from Unclassified	$24 30		$125 00	$149 30
XV. PUBLIC INDEBTEDNESS				
1. Loans in Anticipation of Taxes		$430,000 00		
a.				
b.				
2. Temporary Loans				
a.				
b.				
c.				
3. Sale of Bonds or Notes				
a. City Loan		10,000 00		
b.				
c.				
d.				
e.				
f.				
g.				
h.				
4. Highway Loans		34,000 00		
5. Miscellaneous				
a. Accrued Interest on Bonds	$141 78			
Total from Public Indebtedness	$141 78	$474,000 00		$474,141 78

PAYMENTS.—Classified by Objects.

OBJECTS OF PAYMENTS	Payments Account Expenses Current Year	Capital Payments including those on Loans and Bonds	Payments on all other Accounts	Total Payments
XIIa. RECREATION				
1. Parks, Gardens, etc.				
a. Salaries, including labor	$1,158 21	$1,203 75		
b. All Other Expenses	1,452 08	3,465 83		
2. Playgrounds	589 57			
3. Bath Houses	878 11			
4. Metropolitan Park Tax				
5. Celebrations and Entertainments				
a. Independence Day				
b. Labor Day				
c. Memorial Day				
d. All Others				
a.				
b.				
6. Miscellaneous				
Total for Recreation	$4,077 97	$4,669 58		$8,747 55
XIIIa. INTEREST				
1. Interest on Loans	$4,728 19			
2. Interest on Bonds	75,902 00			
3. Miscellaneous Interest				
a. Interest on Trust Funds	275 00			
Total for Interest	$80,905 19			$80,905 19
XIVa. UNCLASSIFIED				
1. Payments on Bounties				
2. Damages, Settlements and Judgments			$1,257 74	
3. Loss by Defalcation, etc.				
4. Payments not Classified under Previous Departments				
a. Civil Service Labor Registration	$107 00			
Total for Unclassified	$107 00		$1,257 74	$1,364 74
XVa. PUBLIC INDEBTEDNESS				
1. Loans in Anticipation of Taxes				
a.				
b.				
2. Temporary Loans				
a.				
b.				
c.				
3. Bonds or Notes Paid				
a. Water, from Sinking Fund				
b. Water, from Taxation				
c. School, from Sinking Fund				
d. School, from Taxation				
e. Sewer, from Sinking Fund				
f. Sewer, from Taxation				
g. Miscellaneous, from Sinking Fund				
h. Miscellaneous, from Taxation				
4. Highway Loans				
5. Miscellaneous				
Total for Public Indebtedness				

RECEIPTS.—Classified by Sources.

SOURCES OF RECEIPTS	Receipts from Revenue	Capital Receipts including those from Loans and Bonds	Receipts from all other sources	Total Receipts
XVI. SINKING FUNDS				
1. Sinking Fund Commissioners				
2. Miscellaneous				
Total from Sinking Funds				
XVII. TRUST FUNDS AND BEQUESTS				
1. Private Trust Funds				
2. Public Trust Funds				
a. Cemetery Fund			$172 50	
b.				
3. Income from Public Trust Funds				
a. Charity Funds, "Daniel White"	$75 00			
b. School Funds				
c. Library Funds				
d. Other Trust Funds, "Sanders Temperance"	200 00			
Total from Trust Funds and Bequests	$275 00		$172 50	$447 50
XVIII. MUNICIPAL INDUSTRIES				
1. Electric Light Plant				
a. Income from Light and Power				
b. Sale of Bonds and Notes				
c. Miscellaneous				
Total from Electric Light Plant				
2. Gas Works				
a. Income from Gas Sold				
b. Sale of Bonds and Notes				
c. Miscellaneous				
Total from Gas Works				
3. Water Works				
a. Income from Sale of Water	$49,730 07			
b. Sale of Bonds and Notes				
c. Miscellaneous a. Labor and Materials	1,699 80			
b. Rent	48 00			
c.				
Total from Water Works	$51,477 87			$51,477 87
4. Miscellaneous				
a. Markets				
b. Public Scales				
c. Docks and Wharves				
d. Ferries				
Total from Miscellaneous				
Total from Municipal Industries	$51,477 87			$51,477 87

PAYMENTS.—Classified by Objects.

OBJECTS OF PAYMENTS	Payments Account Expenses Current Year	Capital Payments including those on Loans and Bonds	Payments on all other Accounts	Total Payments
XVIa. SINKING FUNDS				
1. Sinking Fund Commissioners from Tax Levy				
2. Sinking Fund Commissioners from General Accounts				
3. Miscellaneous				
Total for Sinking Funds				
XVIIa. TRUST FUNDS AND BEQUESTS				
1. Private Trust Funds				
2. Public Trust Funds Invested				
a.				
b.				
3. Income used				
a. Charity Funds, "Daniel White"	$75 00			
b. Sanders Temperance Fund	200 00			
c.				
d.				
Total for Trust Funds and Bequests	$275 00			$275 00
XVIIIa. MUNICIPAL INDUSTRIES				
1. Electric Light Plant				
a. Construction (new)				
b. Maintenance				
c. Operation				
d. Sinking Fund Payments				
e. Bonds and Notes Paid from Earnings				
f. Interest on Loans				
g. Miscellaneous				
Total for Electric Light Plant				
2. Gas Works				
a. Construction (new)				
b. Maintenance				
c. Operation				
d. Sinking Fund Payments				
e. Bonds and Notes Paid from Earnings				
f. Interest on Loans				
g. Miscellaneous				
Total for Gas Works				
3. Water Works				
a. Construction (new)		$5,990 81		
b. Maintenance	$20,995 69			
c. Operation				
d. Sinking Fund Payments				
e. Bonds and Notes Paid from Earnings				
f. Interest on Loans	34,131 25			
g. Metropolitan Water Tax				
h. Miscellaneous a. Abatements	124 80			
b. Refunds	1,173 85			
Total for Water Works	$56,425 59	$5,990 81		$62,416 40
4. Miscellaneous				
a. Markets				
b. Public Scales				
c. Docks and Wharves				
d. Ferries				
Total for Miscellaneous				
Total for Municipal Industries	$56,425 59	$5,990 81		$62,416 40

RECEIPTS.—Classified by Sources.

SOURCES OF RECEIPTS	Receipts from Revenue	Capital Receipts including those from Loans and Bonds	Receipts from all other sources	Total Receipts
XIX. PUBLIC CEMETERIES				
1. Sale of Lots	$2,680 00			
2. Income from Trust Funds				
3. Income from Perpetual Care Funds				
4. Sale of Bonds				
5. Miscellaneous				
a. Burials	938 00			
b. Brick Graves, Foundations, etc.	394 51			
c. Care of Lots	182 00			
d. Rents, etc.	132 25			
Total from Cemeteries	$4,326 76			$4,326 76
XX. RECAPITULATION				
1. General Accounts				
a. Receipts from Revenue	$365,237 09			
b. Capital Receipts				
c. Receipts from Loans and Sale of Bonds		$474,000 00		
d. Receipts from All Other Sources			$297 50	
Total	$365,237 09	$474,000 00	$297 50	$839,534 59
2. Municipal Industries				
a. Receipts from Revenue	$51,477 87			
b. Capital Receipts				
c. Receipts from Loans and Sale of Bonds				
d. Receipts from All Other Sources				
Total	$51,477 87			51,477 87
3. Public Cemeteries				
a. Receipts from Revenue	$4,326 76			
b. Capital Receipts				
c. Receipts from Loans and Sale of Bonds				
d. Receipts from All Other Sources				
Total	$4,326 76			4,326 76
Total Amount Received	$421,041 72	$474,000 00	$297 50	$895,339 22
Balance on Hand, Beginning of Period				2,853 15
Total				$898,192 37

PAYMENTS.—Classified by Objects.

OBJECTS OF PAYMENTS	Payments Account Expenses Current Year	Capital Payments including those on Loans and Bonds	Payments on all other Accounts	Total Payments
XIXa. PUBLIC CEMETERIES				
1. Care and Labor	$3,714 59			
2. Improvements and Additions				
3. Income from Trust Funds Used				
4. Income from Perpetual Care Funds Used				
5. Miscellaneous				
a. Office Expenses	461 67			
b. Traveling Expenses	25 00			
c.				
Total for Cemeteries	$4,201 26			$4,201 26
XXa. RECAPITULATION				
1. General Accounts				
a. Payments for Expense, Current Year	$632,454 26			
b. Capital Payments		$84,990 74		
c. Payments on Loans and Bonds				
d. Payments on All Other Accounts			$1,257 74	
Total	$632,454 26	$84,990 74	$1,257 74	$718,702 74
2. Municipal Industries				
a. Payments for Expense, Current Year	$56,425 59			
b. Capital Payments		$5,990 81		
c. Payments on Loans and Bonds				
d. Payments on all Other Accounts				
Total	$56,425 59	$5,990 81		62,416 40
3. Public Cemeteries				
a. Payments for Expense, Current Year	$4,201 26			
b. Capital Payments				
c. Payments on Loans and Bonds				
d. Payments on All Other Accounts				
Total	$4,201 26			4,201 26
Total Amount Paid	$693,081 11	$90,981 55	$1,257 74	$785,320 40
Balance on Hand, End of Period				112,871 97
Total				$898,192 37

STATEMENT OF ACTUAL REVENUE AND EXPENSE

REVENUE OF CITY FOR THE FOUR MONTHS.

Amount collected during year	$421,166 72	
Amount due but not collected	176,320 92	
Total amount of revenue		$597,487 64

EXPENSE OF CITY FOR THE FOUR MONTHS.

Amount paid out during year	$741,320 40	
Amount due but not paid	112,359 05	
Total amount of expense		853,679 45
Excess of Expense		$256,191 81

APPROPRIATIONS AND EXPENDITURES

I. Taxes.
II. Licenses.
III. Special Assessments.
IV. Soldiers' Relief.
V. General Government.
VI. Protection of Life and Property.
VII. Health and Sanitation.
VIII. Highways and Bridges.
IX. Charities and Corrections.
X. Public Schools
XI. Libraries, Reading Rooms and Art Galleries.
XII. Recreation.
XIII. Interest.
XIV. Unclassified.
XVIII. Municipal Industries.
XIX. Public Cemeteries.

Ia. ABATEMENTS, TAXES, ETC.

EXPENDED.

For abatements of taxes, as per Assessors' certificates:—			
Tax of 1907:—			
Real estate	$9,717 48		
Personal	2,051 94		
Poll	190 00		
		$11,959 42	
Tax of 1906:—			
Real Estate	$9 30		
Personal	65 10		
Poll	10 25		
		84 65	
Tax of 1905:—			
Personal	$11 40		
Poll	4 00		
		15 40	
Tax of 1904:—			
Personal	$25 06		
Poll	16 00		
		41 06	
Tax of 1903:—			
Poll	$12 00		
		12 00	
Tax of 1902:—			
Poll	$14 00		
		14 00	
Rebate of excess of taxes of 1907 over taxes of 1896, as per agreement:—			
Geo. C. Crocker, *et al.*, Trustees	$2,700 58		
Etta F. and Marion A. Kendall	523 05		
Heirs of Benj. Tilton and Geo. G. Crocker, *et al.*, Trustees	579 45		
Elmer H. Bright, Trustee	914 53		
		4,717 61	
Total			$16,844 14

IIa. LICENSES.

EXPENDED.

For minors' licenses refunded	$15 75

IIIa. ABATEMENTS, SPECIAL ASSESSMENTS.

EXPENDED.

For abatements, as per Assessors' certificates:—		
Street watering assessment, 1907	$7 08	
Moth extermination assessment, 1907	14 13	
Total		$21 21

IVa. SOLDIERS' RELIEF—STATE AID.

Appropriation			$11,125 91
DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.			
For board	$142 00		
Relief, Town of No. Attleboro	13 00		
Money refunded on pay-rolls	185 50		
	$340 50		
EXPENDED.			
For State Aid, as per pay-rolls		$4,910 00	
Military Aid, as per pay-rolls		288 00	
Soldiers' Relief:—			
Pay-rolls	$4,340 00		
Aid, City of Boston	20 00		
Board and care at institutions	90 32		
Board, Overseers of the Poor	121 42		
Fuel and groceries	85 69		
Medicine	2 50		
Services of physicians	56 00		
		$4,715 93	
Burials		350 00	
Burial agent		18 00	
Clerk		162 52	
Office expenses		28 85	
Traveling expenses		21 50	
Total			10,494 80
Surplus of appropriation relinquished to general treasury			$631 11

Va. GENERAL GOVERNMENT.

1b. CLERK OF COMMITTEES' DEPARTMENT.

SALARIES.

Appropriation			$1,294 70
EXPENDED.			
For salaries of:—			
Clerk of Committees		$800 00	
Assistant		293 25	
Stenographer		201 45	
Total			1,294 70

GENERAL EXPENSES.

Appropriation			$165 95
EXPENDED.			
For advertising		$3 25	
Directory		4 00	
"Mass. Year Book"		2 00	
Amounts carried forward		$9 25	$165 95

Va. General Government—Continued.

GENERAL EXPENSES—Concluded.

Amounts brought forward		$9 25	$165 95
Stationery, printing and office supplies		98 92	
Subscriptions		6 80	
Telephone service		15 15	
Total			130 12
Surplus of appropriation relinquished to general treasury . .			$35 83

1c. CITY COUNCIL EXPENSES.

Appropriation			$3,046 03
EXPENDED.			
For salaries of:—			
Clerk of Common Council . .	$166 66		
Page	100 00		
		$266 66	
Car tickets		200 00	
Inauguration expenses:—			
Carriage hire	$10 00		
Floral decorations	50 00		
Programs	21 50		
Use of chairs	9 38		
		90 88	
Expenses of case of Mayor vs. Railroad Commissioners:—			
Printing papers	$180 75		
Serving papers	12 16		
		192 91	
Investigating financial condition of City:—			
Harvey S. Chase		300 00	
Leather books		44 10	
Gavels and mounting		8 00	
Printing reports of expert accountant		45 00	
Ringing bells on holidays . . .		52 00	
Expended by City Clerk and Clerk of Committees:—			
Advertising	$172 08		
Binding City Documents . .	63 00		
Calendars	105 75		
Expressage	30		
Law books	7 00		
Printing, stationery, etc. . .	123 52		
Posting and serving notices . .	21 65		
		493 30	
Expenses of Committees:—			
Carriage hire	$78 00		
Refreshments	136 70		
		214 70	
Expenses of Committee on Fire Department Investigation:—			
Advertising	$3 50		
Amounts carried forward	$3 50	$1,907 55	$3,046 03

Va. General Government—Continued.

CITY COUNCIL EXPENSES—Concluded.

Amounts brought forward . . .	$3 50	$1,907 55	$3,046 03
Typewriting	20 00		
		23 50	
Total			1,931 05
Surplus of appropriation relinquished to general treasury . .			$1,114 98

2. MAYOR'S DEPARTMENT.

SALARIES.

Appropriation			$1,826 67
EXPENDED.			
For salaries of:—			
Mayor		$1,166 66	
Clerk		391 00	
Stenographer		255 00	
Total			1,812 66
Surplus of appropriation relinquished to general treasury . .			$14 01

GENERAL EXPENSES.

Appropriation			$233 25
EXPENDED.			
For binding		$5 00	
Carriage hire		49 50	
Stationery, printing and office supplies		76 13	
Subscriptions		3 00	
Telephone service		36 37	
Total			170 00
Surplus of appropriation relinquished to general treasury .			$63 25

3a. AUDITING DEPARTMENT.

SALARIES.

Appropriation			$1,333 33
EXPENDED.			
For salaries of:—			
City Audtior		$833 33	
Clerks		489 09	
Total			1,322 42
Surplus of appropriation relinquished to general treasury .			$10 91

Va. General Government—Continued.

AUDITING DEPARTMENT, GENERAL EXPENSES.

Appropriation		$99 84
EXPENDED.		
For stationery, printing and office supplies	$97 16	
Telephone service	2 35	
Total		99 51
Surplus of appropriation relinquished to general treasury		$ 33

3b. TREASURY DEPARTMENT.

SALARIES.

Appropriation		$3,566 61
EXPENDED.		
For salaries of:—		
City Treasurer	$1,000 00	
Cashier	510 00	
Paymaster	408 00	
Assistant Paymaster	374 00	
Bookkeeper	261 46	
Clerks	816 00	
Total		3,369 46
Surplus of appropriation relinquished to general treasury		$197 15

GENERAL EXPENSES.

Appropriation		$2,792 17
DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.		
For summonses	$807 40	
Advertising	2 30	
Descriptions	51 00	
Posting	50	
Release of tax titles	5 00	
	$866 20	
EXPENDED.		
For bonds and coupons	$33 00	
Cabinet	11 95	
Carriage hire for paymaster	170 00	
Car tickets	10 00	
Commissions for collecting taxes	604 04	
Directory and Year Book	6 00	
Premium on bond	40 00	
Stationery, printing and office supplies	348 76	
Amounts carried forward	$1,223 75	$2,792 17

Va. General Government—Continued.

TREASURY DEPARTMENT, GENERAL EXPENSES—Concluded.

Amounts brought forward	$1,223 75	$2,792 17
Sundries	6 60	
Telephone service	34 50	
Total		1,264 85
Surplus of appropriation relinquished to general treasury		$1,527 32

3d. ASSESSORS' DEPARTMENT.

SALARIES.

Appropriation		$4,583 33
EXPENDED.		
For salaries of:—		
Assessors	$2,000 00	
Permanent Clerks	765 00	
Temporary Clerks	171 64	
Total		2,936 64
Surplus of appropriation relinquished to general treasury		$1,646 69

GENERAL EXPENSES.

Appropriation		$524 72
EXPENDED.		
For adding machine	$300 00	
Car tickets	10 00	
Directories	8 00	
Expressage	1 55	
Stationery, printing and office supplies	134 19	
Telephone service	16 00	
Typewriter	50 00	
Use of horse and buggy	3 00	
Total		522 74
Surplus of appropriation relinquished to general treasury		$1 98

3e. SINKING FUND OFFICIALS.

Appropriation			$208 33
EXPENDED.			
For salaries of:—			
Treasurer of Sinking Funds	$100 00		
Clerk	25 00		
		$125 00	
Rent of safe deposit box		80 00	
Total			205 00
Surplus of appropriation relinquished to general treasury			$3 33

Va. General Government—Continued.

4a. CITY CLERK'S DEPARTMENT.

SALARIES.

Appropriation	$2,284 22

EXPENDED.

For salaries of:—		
City Clerk	$1,100 00	
Assistant City Clerk	533 32	
Permanent clerks	425 00	
Temporary Clerks	151 25	
Total		2,209 57
Surplus of appropriation relinquished to general treasury		$74 65

GENERAL EXPENSES.

Appropriation	$1,382 73

Department Receipts Carried to General Treasury.

Fees for:—		
Cemetery deeds	$3 50	
Certificates from record	55 25	
Dog licenses	6 40	
Liquor licenses	1 00	
Married women's certificates	2 00	
Mortgages, assignments, etc.	159 93	
	$228 08	

EXPENDED.

For binding	$15 61	
Birth returns, sundry physicians	267 25	
Canvassing for births	525 00	
Directories	5 25	
Premium on official bond	3 00	
"Revised Laws"	6 00	
Stationery, printing and office supplies	339 92	
Subscriptions	5 00	
Telephone service	59 35	
Verifying and obtaining facts for record	14 82	
Total		1,241 20
Surplus of appropriation relinquished to general treasury		$141 53

Va. General Government—Continued.

4b. LAW DEPARTMENT.

SALARIES.

Appropriation		$1,374 67
EXPENDED.		
For salaries of:—		
City Solicitor	$1,166 64	
Stenographer	204 00	
Total		1,370 64
Surplus of appropriation relinquished to general treasury		$4 03

GENERAL EXPENSES.

Appropriation		$402 43
EXPENDED.		
For car tickets	$25 00	
Directory	4 00	
Entry fee	3 00	
Photographic supplies	4 74	
Rent of Boston office	62 50	
Services and expenses preparing cases	14 31	
Stationery and office supplies	35 00	
Stenographic services	15 50	
Telephone service	31 00	
Traveling expenses and sundries	16 15	
Total		211 20
Surplus of appropriation relinquished to general treasury		$191 23

4c. CITY MESSENGER'S DEPARTMENT.

SALARIES.

Appropriation		$694 82
EXPENDED.		
For salaries of:—		
City Messenger	$466 64	
Assistant	204 00	
Total		670 64
Surplus of appropriation relinquished to general treasury		$24 18

Va. General Government—Continued.

CITY MESSENGER'S DEPARTMENT, GENERAL EXPENSES.

Appropriation		$123 46
EXPENDED.		
For directory	$4 00	
Expressage	11 69	
Rent of post-office box	4 00	
Stationery and office supplies	36 38	
Subscriptions	4 16	
Telephone service	54 45	
Total		114 68
Surplus of appropriation relinquished to general treasury		$8 78

5. CITY HALL, ETC.

SALARIES OF JANITORS AND OTHERS.

Appropriation		$4,361 23
EXPENDED.		
For salaries of employees at:—		
City Hall	$2,723 49	
Brattle Square Building	596 00	
Central Square Building	561 00	
Police Station, No. 3	238 00	
Police Station, No. 4	238 00	
Total		4,356 49
Surplus of appropriation relinquished to general treasury		$4 74

GENERAL EXPENSES.

Appropriation			$4,883 27
DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY. For heating buildings for season of 1907.			
Police Department	$890 00		
EXPENDED.			
For boiler insurance		$40 00	
Dues, Gas Consumers' Association		8 00	
Fuel		2,351 14	
Lighting		798 58	
Laundering towels		43 38	
Repairs:—			
Carpentry	$249 50		
Elevator repairs	48 74		
Mason work	56 23		
Painting, glazing, etc.	42 37		
Plumbing and drain repairs	92 30		
Amounts carried forward	$489 14	$3,241 10	$4,883 27

Va. General Government—Continued.

CITY HALL, GENERAL EXPENSES—Concluded.

Amounts brought forward	$489 14	$3,241 10	$4,883 27
Roof and gutter repairs	316 10		
Repairs to furniture	10 96		
Repairs to heating apparatus	105 20		
Repairs to lighting apparatus and electrical work	45 91		
Repairing mail chutes	10 00		
Sundry repairs	4 10		
		981 41	
Supplies:—			
Ash cans	$16 50		
Clocks and repairs	40 35		
Furniture, furnishings and fixtures	193 00		
Hardware, tools and supplies	15 73		
Ice	19 50		
Lumber	35 76		
Oil, waste and boiler supplies	44 40		
Soap	20 70		
Toilet paper	6 75		
Towels, etc.	12 63		
Sundry supplies	3 90		
		409 22	
Total			4,631 73
Surplus of appropriation relinquished to general treasury			$251 54

6. ELECTION EXPENSES

CITY CLERK.

Appropriation			$4,045 00
EXPENDED.			
For salaries of:—			
Election officers	$1,938 50		
Precinct men	175 00		
Special clerks and janitor	57 00		
Bell ringers	26 00		
		$2,196 50	
Clerical assistance		86 75	
Advertising		315 00	
Ballots		641 88	
Ballot boxes and repairs		188 75	
Barges and carriage hire		65 00	
Carpentry		46 55	
Hardware and supplies		4 60	
Labor		71 89	
Lettering and pasting signs		29 15	
Lighting at Cambridge Field Shelter		7 04	
Lighting apparatus for vault		2 90	
Lunches		70 22	
Mounting lists		14 50	
Posting and serving notices		42 63	
Amounts carried forward		$3,783 36	$4,045 00

Va. General Government—Continued.

ELECTION EXPENSES, CITY CLERK—Concluded.

Amounts brought forward	$3,783 36	$4,045 00
Printing	85 50	
Rent of hall for election returns	35 00	
Stamps, keys, etc.	14 35	
Stationery and supplies	52 00	
Teaming	68 00	
Sundries	5 80	
Total		4,044 01
Surplus of appropriation relinquished to general treasury		$ 99

REGISTRARS OF VOTERS.

Appropriation		$1,846 09

EXPENDED.

For salaries of Registrars and Clerk of Board	$700 04	
Clerical assistance	281 00	
Assistance at recount	261 00	
Carriage hire	2 00	
Binding and mounting lists	7 50	
Directory	4 00	
Placing and removing list boards	30 25	
Posting lists	4 50	
Repairing desk	8 50	
Stationery, printing and office supplies	25 00	
Telephone service	8 00	
Voting lists	300 00	
Total		1,631 79
Surplus of appropriation relinquished to general treasury		$214 30

SUPERINTENDENT OF BUILDINGS.

Appropriation		$2,063 79

EXPENDED.

For fuel and heating apparatus	$59 56	
Furniture and furnishings for booths	62 45	
Lamps and lighting apparatus	109 43	
Janitor service and incidental expenses	263 24	
Operating elevator	5 00	
Rent of halls, etc.	386 00	
Setting up and removing booths and platforms	425 23	
Amounts carried forward	$1,310 91	$2,063 79

Va. General Government—Concluded.

ELECTION EXPENSES, SUPERINTENDENT OF BUILDINGS—Concluded.

Amounts brought forward . . .	$1,310 91	$2,063 79
Teaming booths	68 00	
Use of chairs and tables . . .	20 95	
Total		1,399 86
Surplus of appropriation relinquished to general treasury .		$663 93

7. POSTAGE AND STATIONERY.

Appropriation		$762 77
Department Receipts Carried to General Treasury.		
For supplies to sundry departments .	$677 71	
EXPENDED.		
For postage	$300 00	
Stationery and office supplies . .	172 60	
Total		472 60
Surplus of appropriation relinquished to general treasury .		$290 17

VIa. PROTECTION OF LIFE AND PROPERTY.

1. POLICE DEPARTMENT.

SALARIES.

Appropriation		$52,983 29
EXPENDED.		
For salaries of:—		
Chief	$833 32	
Deputy Chief	500 00	
Chief Inspector	466 64	
Captains	1,399 92	
Lieutenants	3,791 55	
Sergeants	3,016 00	
Patrolmen	32,414 50	
Reserve Officers	3,728 25	
Drivers	2,247 50	
Matrons	255 00	
Pensioners	1,776 32	
Allowance to officers on sick leave . .	969 05	
Allowance on account of injuries received	64 50	
Total		51,462 55
Surplus of appropriation relinquished to general treasury .		$1,520 74

VIa. Protection of Life and Property—Continued.

POLICE DEPARTMENT, GENERAL EXPENSES.

Appropriation		$2,479 84

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.

For cloth	$230 10	
Collars	4 90	
Court fines	1,005 90	
	$1,240 90	

EXPENDED.

For ambulance repairs	$41 52	
Ash barrels	11 00	
Atlas, directories and Year Book	26 50	
Badges and repairs	33 45	
Car tickets	100 00	
Care and repair of station houses	140 11	
Cloth, buttons and trimmings for uniforms	191 69	
Clubs	9 00	
Collars	4 80	
Disinfectants, insecticides, etc.	15 60	
Fire arms and repairs	39 48	
Food for prisoners	21 38	
Furniture, furnishings and repairs	47 68	
Hardware, tools and supplies	90 81	
Harness and repairs and horse clothing	39 95	
Hay, grain and straw	264 59	
Horse	265 00	
Horseshoeing	72 25	
Ice	44 70	
Lighting	375 92	
Numbers	5 00	
Photographs	5 00	
Refunds on minors' license badges	12 90	
"Revised Laws"	12 00	
Services of physician	3 00	
Stationery, printing and office supplies	224 13	
Telephone service	107 60	
Towel supply	13 56	
Traveling expenses	14 65	
Use of horse	37 00	
Wagon repairs	32 35	
Sundries	5 03	
Total		2,307 65
Surplus of appropriation relinquished to general treasury		$172 19

4. FIRE DEPARTMENT.

SALARIES.

Appropriation	$34,263 05
Amount carried forward	$34,263 05

VIa. Protection of Life and Property—Continued.

FIRE DEPARTMENT, SALARIES—Concluded.

Amount brought forward		$34,263 05
EXPENDED.		
For salaries of:—		
Chief Engineer	$666 64	
Assistant Chief Engineer	500 00	
Permanent men	26,692 67	
Call-men	4,723 00	
Pensioners	1,343 33	
Total		33,925 64
Surplus of appropriation relinquished to general treasury		$337 41

GENERAL EXPENSES.

Appropriation		$7,863 36
EXPENDED.		
For apparatus, renewals and repairs	$881 60	
Badges, buttons, insignias, etc.	3 50	
Cash expended for transportation	8 00	
Chemicals	2 97	
Clearing drain	12 50	
Directories	8 00	
Dues, Gas Consumers' Association	4 50	
Expressage	15 30	
Fuel	2,112 68	
Furniture, furnishings and bedding	33 15	
Hardware, tools and repairs, and supplies	109 79	
Harness and repairs, and horse clothing	123 58	
Hats and trimmings	4 25	
Hay, grain and straw	2,197 59	
Horses	481 73	
Horseshoeing and clipping	507 25	
Ice	21 04	
Laundry work	83 57	
Lighting	378 24	
Lunches	3 40	
Oil, polish, etc.	77 40	
Repairs to buildings	151 98	
Soap and soap powder	13 60	
Soda	42 00	
Sponges, dusters, etc.	111 00	
Surgical supplies	18 98	
Telephone service	21 68	
Use of horses	25 00	
Total		7,454 28
Surplus of appropriation relinquished to general treasury		$409 08

VIa. Protection of Life and Property—Continued.

5a. FIRE AND POLICE TELEGRAPH AND INSPECTION OF WIRES.

SALARIES.

Appropriation		$4,074 67
EXPENDED.		
For salaries of:—		
Inspector of Wires	$333 32	
Employees	3,638 00	
Clerk	102 00	
Total		4,073 32
Surplus of appropriation relinquished to general treasury		$1 35

GENERAL EXPENSES.

Appropriation		$1,413 27
DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.		
For wire cages	$4 00	
EXPENDED.		
For apparatus and repairs, and electrical supplies	$818 98	
Badges	14 00	
Carpentry	22 95	
Car tickets	50 00	
Erecting balcony and ladder	70 00	
Expressage	24 70	
Hardware, tools and supplies	13 08	
Harness and repairs, and horse clothing	16 50	
Horse board	212 00	
Horseshoeing	23 00	
Lighting	9 36	
Paint, turpentine, etc.	4 63	
Stationery, printing and office supplies	63 90	
Telephone service	23 78	
Towels and laundering	8 01	
Traveling expenses	28 00	
Total		1,402 89
Surplus of appropriation relinquished to general treasury		$10 38

6a.—6b. INSPECTION OF BUILDINGS.

SALARIES.

Appropriation		$2,115 33
EXPENDED.		
For salaries of:—		
Superintendent of Buildings	$666 64	
Inspectors	782 00	
Amounts carried forward	$1,448 64	$2,115 33

VIa. Protection of Life and Property—Continued.

INSPECTION OF BUILDINGS, SALARIES—Concluded.

Amounts brought forward	$1,448 64	$2,115 33
Inspector of Plumbing	391 00	
Clerk	255 00	
Total		2,094 64
Surplus of appropriation relinquished to general treasury		$20 69

GENERAL EXPENSES.

Appropriation	$292 60

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.

For reimbursement of one-half expense for salaries of Superintendent of Buildings and Clerk, and for care of horse from Dec. 10, 1907, to March 31, 1908:—		
School Department	$447 42	

EXPENDED.

For car tickets	$30 00	
Care and repair of tower clocks	71 25	
Directory	4 00	
Expressage	1 05	
Harness and repairs, and horse clothing	23 10	
Horse board	75 00	
Horseshoeing	11 00	
Photographic supplies	6 00	
Printing	18 50	
Teaming and setting bandstand	19 00	
Telephone service	27 70	
Total		286 60
Surplus of appropriation relinquished to general treasury		$6 00

6d. SEALER OF WEIGHTS AND MEASURES.

SALARIES.

Appropriation	$1,057 18

EXPENDED.

For salaries of:—		
Sealer of Weights and Measures	$400 00	
Deputies	490 00	
Total		890 00
Surplus of appropriation relinquished to general treasury		$167 18

VIa. Protection of Life and Property—Concluded.

SEALER OF WEIGHTS AND MEASURES, GENERAL EXPENSES.

Appropriation		$163 77
EXPENDED.		
For acid	$20 00	
Equipment	31 00	
Horse board, shoeing and clipping	62 28	
Office expenses	28 75	
Telephone service	16 10	
Total		158 13
Surplus of appropriation relinquished to general treasury		$5 64

VIIa. HEALTH AND SANITATION.

I. HEALTH DEPARTMENT.

SALARIES.

Appropriation		$4,562 01
EXPENDED.		
For salaries of:—		
Physician to Board of Health	$500 00	
Medical Inspector	500 00	
Bacteriologist	360 00	
Sanitary Inspectors	962 20	
Inspector of Provisions	391 00	
Plumber	326 40	
School Nurse	293 25	
School Inspectors	566 44	
Secretary	260 10	
Clerk	391 00	
Total		4,550 39
Surplus of appropriation relinquished to general treasury		$11 62

GENERAL EXPENSES.

Appropriation		$9,720 24
DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.		
For care of sick:—		
Commonwealth of Massachusetts	$374 28	
Other cities	1,613 51	
Sundry persons	25 00	
	$2,012 79	
EXPENDED.		
For bacteriological and disinfecting apparatus and supplies	$118 22	
Board and care (contagious disease)	4,403 21	
Amounts carried forward	$4,521 43	$9,720 24

VIIa. Health and Sanitation—Continued.

HEALTH DEPARTMENT, GENERAL EXPENSES—Concluded.

Amounts brought forward	$4,521 43	$9,720 24
Board and care (tuberculosis)	2,157 82	
Board and care (rabies)	100 00	
Burying animals	43 75	
Car tickets	150 00	
Expert services of physician	100 00	
Expressage	8 30	
Hardware, tools and supplies	23 31	
Harness and repairs	13 40	
Horse board and storage of ambulance	120 00	
Horseshoeing	21 25	
Services, examining records	5 00	
Stationery, printing and office supplies	128 93	
Telephone service	107 33	
Transportation of patients	11 50	
Use of horse and buggy	42 00	
Wagon repairs	5 15	
Sundries	3 25	
Total		7,562 42
Surplus of appropriation relinquished to general treasury		$2,157 82

DIPHTHERIA HOSPITAL.

Appropriation			$2,840 66
	EXPENDED.		
For salaries of:—			
Physician	$400 00		
Matron	240 00		
Nurses	640 00		
House employees	527 00		
		$1,807 00	
Fuel		89 84	
Furniture, furnishings and household supplies		24 50	
Gas		39 60	
Ice		22 71	
Medical and surgical apparatus and supplies		19 17	
Plumbing		2 40	
Subsistence supplies		656 17	
Telephone service		24 96	
Total			2,686 35
Surplus of appropriation relinquished to general treasury			$154 31

VIIa. Health and Sanitation—Continued.

h. INSPECTOR OF ANIMALS.

Appropriation		$295 38
EXPENDED.		
For salary of inspector	$223 32	
Medicine and drugs	13 50	
Total		246 82
Surplus of appropriation relinquished to general treasury		$48 56

h. INSPECTOR OF MILK AND VINEGAR.

SALARIES.

Appropriation		$621 39
EXPENDED.		
For salary of inspector	$333 33	
Deputy	255 00	
Total		588 33
Surplus of appropriation relinquished to general treasury		$33 06

GENERAL EXPENSES.

Appropriation		$95 77
EXPENDED.		
For apparatus and repairs, and supplies	$40 64	
Car tickets	20 00	
Stationery, printing and office supplies	16 15	
Sundries	2 50	
Total		79 29
Surplus of appropriation relinquished to general treasury		$16 48

2. SANITATION.

a. SEWER DEPARTMENT.

CONSTRUCTION GENERAL.

Appropriation		$3,999 76
EXPENDED.		
For labor, as per pay-roll	$3,175 20	
Bricks	161 10	
Catch-basin traps	53 12	
Cement	95 78	
Amounts carried forward	$3,485 20	$3,999 76

VIIa. Health and Sanitation—Continued.

SEWER DEPARTMENT, CONSTRUCTION GENERAL—Concluded.

Amounts brought forward	$3,485 20	$3,999 76
Gravel and sand	275 06	
Hardware, tools and supplies	13 86	
Lumber and mill work	32 31	
Oil	4 50	
Pipe and fittings	173 37	
Stock and labor, Water Department	9 03	
Teaming	3 75	
Total		3,997 08
Surplus of appropriation relinquished to general treasury		$2 68

SUMMARY — EXPENDED.

For new catch-basins:—			
Labor	$43 65		
Supplies	68 45		
		$112 10	
General Expenses:—			
Supplies		4 83	
Banks St. Sewer:—			
Labor	$303 50		
Teaming	1 50		
Supplies	79 21		
		384 21	
Chilton Street Sewer:—			
Supplies		2 37	
Hubbard Park:—			
Labor	$676 54		
Supplies	201 70		
		878 24	
Wyeth Terrace:—			
Labor	$2,151 51		
Teaming	2 25		
Supplies	461 57		
		2,615 33	
Total			$3,997 08

2a. SEWER DEPARTMENT.

CONSTRUCTION PORTLAND STREET TRUNK SEWER.

Appropriation		$2,612 84

EXPENDED.

For blacksmithing and iron work	$23 90	
Hardware, tools, etc.	258 24	
Sand	5 00	
Teaming	2 25	
Total		289 39
Surplus of appropriation relinquished to general treasury		$2,323 45

VIIa. Health and Sanitation—Continued.

SEWER DEPARTMENT, CONSTRUCTION GATE CHAMBERS.

Appropriation		$2,168 50
EXPENDED.		
For labor, as per pay-roll	$360 32	
Blacksmithing and iron work	116 57	
Frames, gates, etc.	227 17	
Hardware, tools, etc.	7 70	
Lumber	4 80	
Total		716 56
Surplus of appropriation relinquished to general treasury		$1,451 94

SEPARATE SYSTEM OF DRAINAGE.

Appropriation		$7,279 63
EXPENDED.		
For labor, as per pay-roll	$3,420 51	
Bricks	40 27	
Cement	262 46	
Freight	3 74	
Hardware, tools and repairs	91 45	
Lumber	359 92	
Oil	23 40	
Pipe and fittings	229 38	
Teaming	71 25	
Total		4,502 38
Surplus of appropriation relinquished to general treasury		$2,777 25

SUMMARY — EXPENDED.

Cogswell Avenue District:—			
Labor	$3,001 39		
Teaming	71 25		
Supplies	1,003 48		
		$4,076 12	
Mass. Ave. and Sidney St. District:—			
Labor	$62 00		
Supplies	7 14		
		69 14	
Sherman Street District:—			
Labor		357 12	
Total			$4,502 38

VIIa. Health and Sanitation—Continued.

2b. SEWER DEPARTMENT, MAINTENANCE.

Appropriation			$6,489 73
DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.			
For bricks, cement, etc.	$37 79		
EXPENDED.			
For salaries of:—			
Superintendent of Sewers	$666 68		
Clerk	130 39		
		$797 07	
Labor, as per pay-roll		2,703 82	
Advertising		9 62	
Carriage and wagon repairs		156 90	
Car tickets		15 00	
Catch basin frames, traps, etc.		83 13	
Cement		10 50	
Cleaning catch-basins		991 26	
Fuel		17 40	
Hardware, tools and repairs, and supplies		70 53	
Harness and repairs		7 25	
Hay, grain and straw		247 88	
Horseshoeing and clipping		53 50	
Ladder		5 50	
Lighting		10 20	
Lumber and mill work		18 12	
Oil		4 50	
Repairing float		35 08	
Stationery, printing and office supplies		22 02	
Teaming		5 50	
Telephone service		11 90	
Sundries		3 88	
Total			5,280 56
Surplus of appropriation relinquished to general treasury			$1,209 17
SUMMARY — EXPENDED.			
For repairing catch-basins:—			
Labor	$98 45		
Supplies	106 22		
		$204 67	
Cleaning catch-basins:—			
Labor	$666 01		
Teaming	991 26		
Supplies	161 85		
		1,819 12	
Cleaning and repairing gates:—			
Labor	$422 38		
Supplies	7 05		
		429 43	
Cleaning sumps:—			
Labor		80 00	
Amount carried forward		$2,533 22	

VIIa. Health and Sanitation—Continued.

SEWER DEPARTMENT, MAINTENANCE—Concluded.

Amount brought forward		$2,533 22	
Cleaning and flushing sewers:—			
Labor	$405 31		
Supplies	4 45		
		409 76	
Manhole repairs:—			
Labor		3 56	
Sewer repairs:—			
Labor	$150 22		
Teaming	5 50		
Supplies	66 57		
		222 29	
Office expenses:—			
Salary of clerk	$130 39		
Supplies	22 17		
		152 56	
General expenses:—			
Salary of superintendent	$666 68		
Labor	631 89		
Supplies	72 75		
		1,371 32	
Stable account:—			
Labor	$246 00		
Supplies	341 85		
		587 85	
Total			$5,280 56

2d. HOUSE OFFAL.

LABOR.

Appropriation		$9,440 15
EXPENDED.		
For labor, as per pay-roll	$9,036 50	
Total		9,036 50
Surplus of appropriation relinquished to general treasury		$403 65

GENERAL EXPENSES.

Appropriation		$2,554 90
DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.		
For sale of offal	$3,164 14	
EXPENDED.		
For hardware, tools and stable supplies	$17 72	
Harness and repairs, and horse clothing	190 05	
Hay, grain and straw	1,447 20	
Amounts carried forward	$1,654 97	$2,554 90

VIIa. Health and Sanitation—Concluded.

HOUSE OFFAL, GENERAL EXPENSES—Concluded.

Amounts brought forward	$1,654 97	$2,554 90
Horseshoeing and clipping	306 70	
Lighting stable	20 52	
Stable repairs	155 90	
Stove	7 00	
Wagon repairs	275 02	
Total		2,420 11
Surplus of appropriation relinquished to general treasury		$134 79

2d. COLLECTION OF ASHES.

Appropriation		$14,486 16
EXPENDED.		
For labor, as per pay-roll	$11,433 47	
Ash covers	82 50	
Hardware, tools, etc.	4 65	
Harness and repairs	53 30	
Hay, grain and straw	1,765 37	
Horseshoeing	3 25	
Renewals and repairs, carts	15 00	
Teaming	37 50	
Total		13,395 04
Surplus of appropriation relinquished to general treasury		$1,091 12

2d. INCINERATOR PLANT-CONSTRUCTION.

Appropriation		$29,613 91
EXPENDED.		
For labor, as per pay-roll	$390 13	
Advice and specifications	75 00	
Contract for building incinerator	12,210 00	
Gravel	28 13	
Total		12,703 26
Surplus of appropriation relinquished to general treasury		$16,910 65

VIIIa. HIGHWAYS AND BRIDGES

I. STREET DEPARTMENT.

SALARIES OF SUPERINTENDENT AND CLERKS.

Appropriation		$2,287 00
EXPENDED.		
For salaries:—		
Superintendent of Streets	$791 66	
Chief Clerk	291 66	
Office clerks	503 00	
Yard clerks	552 00	
Total		2,138 32
Surplus of appropriation relinquished to general treasury		$148 68

2. ENGINEERING DEPARTMENT.

SALARIES.

Appropriation		$3,294 28
EXPENDED.		
For salaries of:—		
City Engineer	$1,000 00	
Assistant Engineers	1,418 10	
Transitmen	482 25	
Rodmen	171 00	
Clerk	130 39	
Total		3,201 74
Surplus of appropriation relinquished to general treasury		$92 54

GENERAL EXPENSES.

Appropriation		$299 66
EXPENDED.		
For apparatus, instruments and repairs	$16 54	
Car tickets	25 00	
Directory	4 00	
Hardware, tools and repairs and supplies	22 29	
Photographic goods, blue prints, etc.	21 92	
Stationery, printing and drawing materials	48 87	
Subscription	2 00	
Telephone service	29 50	
Tool bag	6 00	
Sundries	4 40	
Total		180 52
Surplus of appropriation relinquished to general treasury		$119 14

VIIIa. Highways and Bridges—Continued.

3. STREET MAINTENANCE.

Appropriation		$27,625 18

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.

For Cracked stone	$217 33	
Granite blocks	17 38	
Horse board	54 00	
Horseshoeing	21 40	
Labor and materials	49 01	
Old materials	13 60	
Permit fees	4 50	
Scrapings	4 50	
	$381 72	

EXPENDED.

For labor, as per pay-roll	$14,163 57	
Bicycle repairs	7 85	
Carriage and wagon repairs	41 74	
Cement	72 71	
Fuel	695 69	
Gravel and freight	182 12	
Hardware, tools and repairs, and supplies	217 28	
Harness and repairs, and horse clothing	358 52	
Hay, grain and straw	2,489 84	
Horseshoeing, stock and tools, and clipping	141 48	
Lighting	263 11	
Office expenses and telephone service	308 65	
Painters' supplies	115 53	
Renewals and repairs, stables and sheds	256 01	
Stable supplies	160 03	
Street signs	29 47	
Steam-rollers, repairs and supplies	364 40	
Stone-crushers, repairs and supplies	311 73	
Stone	6,767 46	
Teaming	25 00	
Miscellaneous	38 07	
Total		27,010 26
Surplus of appropriation relinquished to general treasury		$614 92

SUMMARY — EXPENDED.

For resurfacing	$366 00
Patching	1,543 77
Other expenses	25,100 49
	$27,010 26

VIIIa. Highways and Bridges—Continued.

4. STREET CONSTRUCTION.

LAND DAMAGE.

Appropriation			$12,611 44
EXPENDED.			
For examining titles:—			
Wm. V. Thompson	$77 00		
Geo. D. Wildes	50 00		
		$127 00	
Recording deeds:—			
Edwin O. Childs, Register		12 60	
Services in appraisal:—			
A. M. Stewart		40 00	
Allston Street—			
Land and damage:—			
Susan A. Young	$137 91		
Jennie H. Whitney	2,625 00		
Anna E. Stinson	1,651 00		
		4,413 91	
Brown Street—			
Land and damage:—			
Estate of John A. Dwyer	$300 00		
John M. McCourt	150 00		
		450 00	
Massachusetts Avenue—			
Land and damage:—			
Estate of Rufus Lamson		2,350 00	
Main and Ames Streets—			
Land and damage:—			
Harriet A. Porter		20,000 00	
Total			27,393 51
Excess of expenditure over appropriation			$14,782 07
Additional appropriation			23,500 00
Balance relinquished to general treasury			$8,717 93

CONSTRUCTION, ALLSTON STREET AND OTHERS.

Appropriation			$1,471 62
EXPENDED.			
For labor, as per pay-roll		$279 82	
Gravel		237 75	
Teaming		7 50	
Total			525 07
Surplus of appropriation relinquished to general treasury			$946 55

VIIIa. Highways and Bridges—Continued.

CONSTRUCTION, HOUGHTON STREET AND OTHERS.

Appropriation		$1,822 93
EXPENDED.		
For labor, as per pay-roll	$935 50	
Freight on gravel	47 60	
Hay, grain and straw	102 12	
Edgestone	10 50	
Granite paving blocks	270 00	
Teaming	92 50	
Total		1,458 22
Surplus of appropriation relinquished to general treasury		$364 71

CONSTRUCTION, SOMERVILLE AVENUE.

Appropriation		$1,250 34
EXPENDED.		
For labor, as per pay-roll	$386 18	
Gravel	67 09	
Granite paving blocks	712 92	
Teaming	76 66	
Total		1,242 85
Surplus of appropriation relinquished to general treasury		$7 49

5. STREET PAVING REPAIRS.

CROSSINGS.

Appropriation		$887 42
EXPENDED.		
For labor, as per pay-roll	$111 50	
Total		111 50
Surplus of appropriation relinquished to general treasury		$775 92

6. STREET PAVING (NEW CONSTRUCTION).

REBUILDING CAMBRIDGE STREET.

Appropriation		$1,181 45
EXPENDED.		
For labor, as per pay-roll	$294 79	
Gravel	194 70	
Teaming	35 00	
Total		524 49
Surplus of appropriation relinquished to general treasury		$656 96

VIIIa. Highways and Bridges—Continued.

REBUILDING HAMPSHIRE STREET.

Appropriation		$470 02
EXPENDED.		
For labor, as per pay-roll	$91 62	
Teaming	12 50	
Total		104 12
Surplus of appropriation relinquished to general treasury		$365 90

7. STREET CLEANING.

Appropriation		$12,328 21
EXPENDED.		
For labor, as per pay-roll	$5,304 93	
Hardware, tools, etc.	30 79	
Hay, grain and straw	374 52	
Machine sweeper repairs	49 17	
New equipment	108 00	
Refilling machine sweeper brooms	132 00	
Rubbish barrels and repairs	68 75	
Teaming	263 13	
Total		6,331 29
Surplus of appropriation relinquished to general treasury		$5,996 92

8. STREET LIGHTING.

SALARIES.

Appropriation		$333 33
EXPENDED.		
For salary of Superintendent of Lamps		333 32
Surplus of appropriation relinquished to general treasury		$ 01

GENERAL EXPENSES.

Appropriation			$26,716 11
EXPENDED.			
For horse board		$100 00	
Horseshoeing and harness repairs		10 15	
Lighting streets:—			
Arc	$18,608 26		
Incandescent	4,429 92		
Amounts carried forward	$23,038 18	$110 15	$26,716 11

VIIIa. Highways and Bridges—Continued.

STREET LIGHTING, GENERAL EXPENSES—Concluded.

Amounts brought forward	$23,038 18	$110 15	$26,716 11
Gas	3,325 66		
		26,363 84	
Teaming and setting posts, etc.		122 43	
Total			26,596 42
Surplus of appropriation relinquished to general treasury			$119 69

9. STREET SPRINKLING.

Appropriation			$10,430 37
EXPENDED.			
For salary of foreman		$400 00	
Labor, as per pay-roll		1,330 42	
Clerical services		10 25	
Advertising		22 50	
Special road treatment		300 00	
Teaming		2 50	
Watering cart repairs		947 76	
Total			3,013 43
Surplus of appropriation relinquished to general treasury			$7,416 94

10. EDGESTONES AND SIDEWALKS.

Appropriation			$8,831 51
DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.			
For labor and materials	$149 67		
EXPENDED.			
For allowance on artificial stone sidewalks		$320 85	
Bricks		38 10	
Freight on gravel		13 30	
Edgestone		149 49	
Gutter stone		233 80	
Hardware, tools and supplies		60 02	
Lumber		43 00	
Total			858 56
Surplus of appropriation relinquished to general treasury			$7,972 95

VIIIa. Highways and Bridges—Continued.

SIDEWALK REPAIRS.

Appropriation		$1,831 60
EXPENDED.		
For labor, sundry persons as per pay-roll	$20 72	
Total		20 72
Surplus of appropriation relinquished to general treasury		$1,810 88

12. SNOW REMOVAL.

Appropriation		$5,000 00
EXPENDED.		
For labor, as per pay-roll	$4,260 47	
Hardware, tools, etc.	127 20	
Hay and grain	229 00	
Plows	195 50	
Total		4,812 17
Surplus of appropriation relinquished to general treasury		$187 83

14. REPAIRS ON BRIDGES AND MAINTENANCE.

STREET DEPARTMENT—BRIDGES.

Appropriation		$2,512 42
EXPENDED.		
For salaries of draw-tenders and assistants	$1,593 78	
Labor, as per pay-roll	41 50	
Cable-chains	21 00	
Fuel	4 35	
Hardware and supplies	12 09	
Lumber	24 48	
Motor service	20 66	
Salt	13 50	
Stationery	16 00	
Total		1,747 36
Surplus of appropriation relinquished to general treasury		$765 06

SUMMARY — EXPENDED.

Salaries of draw-tenders and assistants		$1,593 78	
First Street Bridge:—			
Labor	$10 75		
Repairs and supplies	73 01		
		83 76	
Amount carried forward		$1,677 54	

VIIIa. Highways and Bridges—Continued.

STREET DEPARTMENT, BRIDGES—Concluded.

Amount brought forward		$1,677 54	
Third Street Bridge:—			
Labor	$10 00		
Repairs and supplies	14 74		
		24 74	
Sixth Street Bridge:—			
Labor	$10 75		
Repairs and supplies	18 30		
		29 05	
Walden Street Bridge:—			
Repairs and supplies		3 02	
Huron Avenue Railroad Bridge:—			
Labor	$10 00		
Repairs and supplies	3 01		
		13 01	
Total			$1,747 36

BOSTON BRIDGES.

SALARIES.

Appropriation			$3,617 47
EXPENDED.			
For salaries of:—			
Bridge Commissioner		$233 32	
Clerks		60 01	
Draw-tenders, care-takers and assistants		3,316 54	
Total			3,609 87
Surplus of appropriation relinquished to general treasury			$7 60

GENERAL EXPENSES.

Appropriation			$2,207 75
DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.			
For rent	$25 00		
EXPENDED.			
For car tickets and office expenses		$22 13	
Brookline Bridge:—			
Lighting	$91 71		
Snow removal	20 50		
		112 21	
Boylston Street Bridge:—			
Repairs and supplies		49 21	
Harvard Bridge:—			
Cleaning bridge	$25 44		
Amounts carried forward	$25 44	$183 55	$2,207 75

VIIIa. Highways and Bridges—Continued.

BOSTON BRIDGES, GENERAL EXPENSES—Concluded.

Amounts brought forward	$25 44	$183 55	$2,207 75
Fuel	14 50		
Hardware and supplies	7 92		
Lighting	390 00		
Motor repairs and supplies	25 95		
Repairing bridge	163 13		
Sand and spreading	197 75		
		824 69	
River Street Bridge:—			
Fuel	$5 80		
Hardware	2 80		
Lighting	15 00		
Repairing bridge	8 38		
		31 98	
Western Avenue Bridge:—			
Lighting	$15 00		
Repairing bridge	8 73		
		23 73	
Prison Point Bridge:—			
Fuel	$5 80		
Hardware and supplies	4 37		
		10 17	
Cambridge Bridge:—			
Hardware and supplies	$7 96		
Heating towers	2 40		
Lighting	696 03		
		706 39	
Total			1,780 51
Surplus of appropriation relinquished to general treasury			$427 24

15. NEW BRIDGES.

CAMBRIDGE BRIDGE.

Appropriation			$2,246 34
	EXPENDED.		
For salaries of:—			
Assistant engineers	$371 50		
Boatmen	76 25		
Clerk	43 75		
Messenger	43 75		
Watchmen	88 50		
Custodian	41 66		
Care-takers	119 00		
Superintendent of maintenance	175 00		
		$959 41	
Catch-basin traps, frames and gates		17 90	
Copper gutter linings and conductors for towers		336 00	
Fastenings for tower windows		18 95	
Amounts carried forward		$1,332 26	$2,246 34

VIIIa. Highways and Bridges—Continued.

NEW BRIDGES, CAMBRIDGE BRIDGE—Concluded.

Amounts brought forward	$1,332 26	$2,246 34
Lighting bridge	705 90	
Moving furniture	7 00	
Paving	7 27	
Photographs	8 25	
Push brooms	10 12	
Rent of room	20 00	
Telephone service	18 78	
Typewriting	10 50	
Wire enclosures at Boston end	32 50	
Sundries	7 99	
Total		2,160 57
Surplus of appropriation relinquished to general treasury		$85 77

15. COMMERCIAL AVENUE BRIDGE.

Appropriation		$36,160 23
EXPENDED.		
For labor, as per pay-roll	$38 37	
Cinders	53 00	
Connecting electric meters	25 00	
Contract for piers, walls and foundations	5,769 80	
Contract for steel highway drawbridge	17,775 00	
Inspection of draw	67 50	
Sand	12 50	
Sundries	1 18	
Total		23,742 35
Surplus of appropriation relinquished to general treasury		$12,417 88

15. REBUILDING FIRST STREET BRIDGE.

Appropriation		$10,000 00
EXPENDED.		
For salary of inspector	$72 00	
Labor, as per pay-roll	14 50	
Advertising	16 25	
Total		102 75
Surplus of appropriation relinquished to general treasury		$9,897 25

VIIIa. Highways and Bridges—Concluded.

18. SHADE TREES.

Appropriation		$1,666 64
EXPENDED.		
For labor, as per pay-roll	$830 06	
Hardware and supplies	15 50	
Stationery	5 00	
Teaming	15 00	
Wire netting	45 00	
Total		910 56
Surplus of appropriation relinquished to general treasury		$756 08

19. MOTH EXTERMINATION.

Appropriation		$5,000 00
DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.		
For materials	$11 75	
EXPENDED.		
For labor, as per pay-roll	$4,141 39	
Clerical assistance	50 00	
Creosote	46 18	
Hardware, tools and supplies	21 83	
Hay, grain and straw	58 70	
Stationery and printing	61 75	
Total		4,379 85
Surplus of appropriation relinquished to general treasury		$620 15

20. BOARD OF SURVEY.

Appropriation		$158 24
EXPENDED.		
For salary of clerk	$75 00	
Advertising	5 00	
Car tickets	10 00	
Stationery	2 90	
Total		92 90
Surplus of appropriation relinquished to general treasury		$65 34

IXa. CHARITIES AND CORRECTIONS.

1. OUTDOOR RELIEF.

SALARIES.

Appropriation		$1,296 67
EXPENDED.		
For salaries of:—		
Secretary of Overseers of the Poor	$488 75	
Clerk	255 00	
Visitor	293 25	
Driver of aid wagon	255 00	
Total		1,292 00
Surplus of appropriation relinquished to general treasury		$4 67

GENERAL EXPENSES.

Appropriation		$17,829 52
DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.		
For aid	$305 27	
Ambulance service	4 00	
Board	128 43	
Burials	13 30	
	$451 00	
EXPENDED.		
For aid to sundry persons, cash pay-roll	$190 84	
Aid by other cities and towns	2,111 96	
Baskets, bags, twine, etc.	22 36	
Board and care, Com. of Mass.	159 38	
Board and care at institutions, etc.	7,477 78	
Board and care insane, Com. of Mass.	5,488 80	
Burials	151 10	
Car tickets and transportation	136 13	
Carriage and ambulance hire	15 50	
Fuel	439 79	
Medicines, drugs, etc.	168 69	
Services of physician	10 00	
Services as attendants in transportation	57 00	
Soap	35 63	
Subsistence supplies	954 03	
Stationery and office expenses	100 41	
Telephone service	44 69	
Wagon	160 00	
Total		17,724 09
Surplus of appropriation relinquished to general treasury		$105 43

IXa. Charities and Corrections—Continued.

CITY PHYSICIAN.

Appropriation		$666 66
EXPENDED.		
For salary of City Physician	$666 64	
Total		666 64
Surplus of appropriation relinquished to general treasury		$ 02

1b. ALMSHOUSE.

CITY HOME, SALARIES.

Appropriation		$2,344 87
EXPENDED.		
For salaries of:—		
Superintendent	$488 75	
Organist	25 00	
Sundry house employees	1,792 90	
Total		2,306 65
Surplus of appropriation relinquished to general treasury		$38 22

GENERAL EXPENSES.

Appropriation		$4,156 64
DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.		
For barrels	$7 75	
Board	243 55	
Grease and bones	9 71	
	$261 01	
EXPENDED.		
For advertising	$17 90	
Boots, shoes and repairs	64 65	
Burials	5 00	
Car tickets	30 00	
Cash to inmates	19 25	
Clergymen's services	26 00	
Clothing, dry goods and bedding	361 83	
Directory	4 00	
Expressage	13 90	
Fuel	95 62	
Furniture, furnishings and household supplies	69 18	
Amounts carried forward	$707 33	$4,156 64

IXa. Charities and Corrections—Continued.

ALMSHOUSE, GENERAL EXPENSES—Concluded.

Amounts brought forward	$707 33	$4,156 64
Hardware, tools and repairs, and supplies	51 99	
House repairs	87 44	
Hymnals	3 60	
Insecticide	14 80	
Lighting	106 92	
Medical and surgical supplies	14 50	
Medicines, drugs, etc.	107 83	
Motor service	15 00	
Oil	5 00	
Rubber blankets	9 00	
Soap and laundry supplies	66 23	
Stationery, printing, etc.	17 58	
Subscriptions	10 50	
Subsistence supplies	2,901 10	
Telephone service	24 34	
Total		4,143 16
Surplus of appropriation relinquished to general treasury		$13 48

CITY HOME HOSPITAL.

Appropriation	$533 24

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.

For board	$59 05

EXPENDED.

For salaries of:—		
Nurse	$202 00	
Attendants	85 00	
Cleaner	34 00	
		$321 00
Fuel		46 11
Household supplies		1 45
Lighting		45 24
Medical and surgical apparatus and supplies		64 47
Subsistence supplies		22 41
Total		500 68
Surplus of appropriation relinquished to general treasury		$32 56

IXa. Charities and Corrections—Concluded.

1c. CITY FARM, LABOR.

Appropriation		$1,326 93
EXPENDED.		
For salaries of:—		
Farmer	$255 00	
Employees	575 00	
Total		830 00
Surplus of appropriation relinquished to general treasury		$496 93

GENERAL EXPENSES.

Appropriation		$332 82
Department Receipts Carried to General Treasury.		
For sale of farm products	$1,550 15	
EXPENDED.		
For flower pots	$12 00	
Hardware, tools and supplies	15 85	
Hay, grain and straw	86 85	
Horseshoeing	14 25	
Lighting	3 00	
Lumber	62 66	
Paint, oil, etc.	12 00	
Seeds	10 85	
Stove	15 00	
Wagon repairs	61 80	
Total		294 26
Surplus of appropriation relinquished to general treasury		$38 56

Xa. PUBLIC SCHOOLS.

SCHOOL DEPARTMENT, INCIDENTAL EXPENSES.

Appropriation			$1,106 60
EXPENDED.			
For salaries of:—			
Secretary of Committee	$400 00		
Messenger	25 00		
		$425 00	
Car tickets		100 00	
Copying census		19 00	
Amounts carried forward		$544 00	$1,106 60

Xa. Public Schools—Continued.

SCHOOL DEPARTMENT, INCIDENTAL EXPENSES—Concluded.

Amounts brought forward	$544 00	$1,106 60
Obtaining statistics of private schools	6 00	
Printing, stationery and office supplies	165 38	
Telephone service	74 37	
Traveling expenses of superintendent	72 87	
Total		862 62
Surplus of appropriation relinquished to general treasury . .		$243 98

SALARIES OF TEACHERS AND OFFICERS.

Appropriation	$169,872 37

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.

For tuition of non-resident pupils:—		
At Manual Training School . .	$1,327 50	
At Latin School	468 00	
	$1,795 50	

EXPENDED.

For salaries of:—		
Superintendent	$1,400 00	
Agent and Secretary	1,060 00	
Page	7 50	
Clerks	600 00	
Special instructors	4,260 00	
Primary supervisor	540 00	
Teachers in day schools . . .	147,955 22	
Teachers in evening schools . .	9,717 50	
Truant officers	1,600 00	
Porter	280 00	
Tuition, Town of Belmont . . .	90 00	
Total		167,510 22
Surplus of appropriation relinquished to general treasury . .		$2,362 15

COMMERCIAL EQUIPMENT, RINDGE MANUAL TRAINING SCHOOL.

Appropriation	$2,500 00

EXPENDED.

For advertising	$25 00	
Total		25 00
Surplus of appropriation relinquished to general treasury . .		$2,475 00

Xa. Public Schools—Continued.

SCHOOLHOUSES, MAINTENANCE.

Appropriation	$34,466 87

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.

For sale of old materials	$31 93

EXPENDED.

For salaries of:—			
Head janitor	$456 45		
Janitors and assistants, day schools	13,505 88		
Janitors and engineer, evening schools	1,067 25		
		$15,029 58	
Fuel and weighing		9,953 26	
Lighting and motor service		1,706 89	
Repairs and alterations:—			
Blackboards and slate work	$79 65		
Carpentry	468 19		
Heating and ventilating apparatus	484 92		
Lighting apparatus and electrical work	575 33		
Locks and lockers	106 92		
Mason work	481 38		
Moving furniture	24 90		
Painting, glazing, etc.	788 48		
Plans	57 50		
Plastering	484 45		
Plumbing and drain work	137 38		
Pumping water from cellar	19 36		
Roof repairs	422 71		
Setting marble tiles	114 25		
		4,245 42	
For supplies:—			
Ash cans	$149 25		
Clocks and repairs	17 70		
Dusters, brooms and brushes	384 85		
Electrical supplies	102 13		
Expressage and teaming	14 65		
Filing case	165 00		
Furniture, furnishings and repairs	758 95		
Hardware, tools and supplies	219 34		
Sand	7 80		
Sawdust	18 00		
Soap and soap powder	11 00		
Toilet paper	19 00		
Sundry supplies	6 15		
		1,873 82	
Miscellaneous expenses:—			
Boiler insurance	$170 00		
Horse board	25 00		
Amounts carried forward	$195 00	$32,808 97	$34,466 87

Xa. Public Schools—Continued.

SCHOOLHOUSES, MAINTENANCE—Concluded.

Amounts brought forward . . .	$195 00	$32,808 97	$34,466 87
Reimbursement to city of one-half the cost of salaries of Superintendent of Buildings and Clerk, and care of horse from Dec. 10, 1907, to March 31, 1908 . . .	447 42	642 42	
Total			33,451 39
Surplus of appropriation relinquished to general treasury . .			$1,015 48

TEXT BOOKS AND SUPPLIES.

Appropriation			$6,939 07
EXPENDED.			
For apparatus and supplies . . .		$4,036 41	
Books		1,656 45	
Cash expended for life models . .		26 40	
Expressage and teaming . . .		115 80	
Fuel		78 75	
Piano tuning and repairing . .		13 25	
Postage		63 72	
Printing		34 50	
Washing		4 58	
Total			6,029 86
Surplus of appropriation relinquished to general treasury . .			$909 21

TRANSPORTATION OF PUPILS.

Appropriation			$261 70
EXPENDED.			
For conveying pupils to and from school		$261 00	
Total			261 00
Surplus of appropriation relinquished to general treasury . .			$ 70

CARE OF TRUANTS.

Appropriation			$701 08
EXPENDED.			
For board at truant school . . .		$614 42	
Transportation		6 31	
Total			620 73
Surplus of appropriation relinquished to general treasury . .			$80 35

Xa. Public Schools—Concluded.

CARE OF FLAGS.

Appropriation		$15 94
EXPENDED.		
For rope	$11 25	
Total		11 25
Surplus of appropriation relinquished to general treasury		$4 69

XIa. LIBRARIES, READING ROOMS AND ART GALLERIES.

CENTRAL LIBRARY, SALARIES.

Appropriation		$3,749 80
EXPENDED.		
For salaries of:—		
Librarian	$750 00	
Head assistant	333 33	
Assistant librarians	1,713 90	
Sunday attendants, substitutes and pages	442 39	
Janitor and assistant	510 00	
Total		3,749 62
Surplus of appropriation relinquished to general treasury		$ 18

GENERAL EXPENSES.

Appropriation		$4,033 23
DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.		
For fines, catalogs, etc.	$234 00	
Dog license fund from county	5,281 66	
	$5,515 66	
EXPENDED.		
For baskets	$4 50	
Binding and binders	80 24	
Books, periodicals, etc.	1,692 33	
Books lost	22 00	
Catalog cards	30 00	
Delivering books to local stations	157 50	
Directories	14 00	
Expressage	30 17	
Framing and hanging pictures	175 50	
Fuel	400 20	
Amounts carried forward	$2,606 44	$4,033 23

XIa. Libraries, Reading Rooms and Art Galleries—Continued.

CENTRAL LIBRARY, GENERAL EXPENSES—Concluded.

Amounts brought forward	$2,606 44	$4,033 23
Furniture, furnishings and repairs	91 83	
Hardware, tools and supplies	92 70	
Laundry work	7 62	
Lithographing	33 76	
Lighting	285 15	
Local stations	99 00	
Membership fees, assessments, etc.	8 00	
Neostyle	38 50	
Repairs to building	180 44	
Stationery, printing and supplies	259 74	
Printing annual report	84 00	
Printing bibliography of Wm. J. Rolfe	60 00	
Printing bulletins	165 50	
Telephone service	14 00	
Typewriter repairs, etc.	6 20	
Total		4,032 88
Surplus of appropriation relinquished to general treasury		$ 35

EAST CAMBRIDGE BRANCH LIBRARY, SALARIES.

Appropriation		$320 43
EXPENDED.		
For salaries of:—		
Assistant in charge	$233 33	
Other assistants	25 70	
Janitor	61 00	
Total		320 03
Surplus of appropriation relinquished to general treasury		$ 40

GENERAL EXPENSES.

Appropriation		$484 32
EXPENDED.		
For binding	$19 32	
Books, periodicals, etc.	337 43	
Carpentry	7 30	
Directory	4 00	
Furniture and supplies	29 60	
Lettering door	2 00	
Lighting	39 06	
Stationery, printing, etc.	45 45	
Total		484 16
Surplus of appropriation relinquished to general treasury		$ 16

XIa. Libraries, Reading Rooms and Art Galleries—Concluded.

NORTH CAMBRIDGE BRANCH LIBRARY, SALARIES.

Appropriation		$363 15
EXPENDED.		
For salaries of:—		
Assistant in charge	$188 00	
Other assistants	97 41	
Janitor	68 00	
Total		353 41
Surplus of appropriation relinquished to general treasury		$9 74

GENERAL EXPENSES.

Appropriation		$658 00
EXPENDED.		
For binding	$30 63	
Books, periodicals, etc.	506 74	
Books lost	8 20	
Directory	4 00	
Lighting	54 72	
Stationery, printing, etc.	46 95	
Water cup	6 50	
Total		657 74
Surplus of appropriation relinquished to general treasury		$ 26

XIIa. RECREATION.

1. PARK DEPARTMENT.

CONSTRUCTION AND LANDS.

Appropriation			$5,829 16
EXPENDED.			
For General Account:—			
Labor, as per pay-roll	$246 50		
Fuel	5 80		
Harness repairs	3 85		
Hay, grain and straw	54 46		
Lighting at stable	1 00		
Photographic supplies	94		
Rent of stable and yard	90 00		
Stationery and printing	85 73		
		$488 28	
The Nursery:—			
Labor, as per pay-roll	$240 00		
Amounts carried forward	$240 00	$488 28	$5,829 16

XIIa. Recreation—Continued.

PARK DEPARTMENT, CONSTRUCTION AND LANDS—Concluded.

Amounts brought forward	$240 00	$488 28	$5,829 16
Fuel	5 80		
		245 80	
River Parkway, Section C:—			
Labor, as per pay-roll	$688 50		
Building scow	46 83		
Filling, as per pay-roll	2,580 59		
		3,315 92	
River Parkway, Section D:—			
Filling, as per pay-roll		425 70	
River Parkway, Section F:—			
Filling, as per pay-roll		140 13	
Shelter at Rindge Field:—			
Settlement of claim for bringing in water pipes		20 00	
Total			4,635 83
Surplus of appropriation relinquished to general treasury			$1,193 33

CONSTRUCTION, RINDGE FIELD.

Appropriation		$100 70
EXPENDED.		
For labor, as per pay-roll	$28 75	
Teaming, as per pay-roll	5 00	
Total		33 75
Surplus of appropriation relinquished to general treasury		$66 95

MAINTENANCE, SALARIES.

Appropriation		$764 67
EXPENDED.		
For salaries of:—		
General Superintendent	$500 00	
Clerk	255 00	
Total		755 00
Surplus of appropriation relinquished to general treasury		$9 67

GENERAL EXPENSES.

Appropriation		$466 53
DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.		
For rent	$1,218 80	
Labor	2 25	
	$1,221 05	
Amount carried forward		$466 53

XIIa. Recreation—Continued.

PARK DEPARTMENT, GENERAL EXPENSES—Concluded.

Amount brought forward		$466 53
EXPENDED.		
For advertising	$8 50	
Directory	4 00	
Fuel	11 60	
Hay, grain and straw . . .	27 80	
Horseshoeing	19 56	
Lamp	5 50	
Lighting at stable	3 20	
Photographic supplies . . .	18 49	
Rent of stable and yard . . .	90 00	
Stationery, printing and office supplies	96 92	
Subscription	3 00	
Telephone service	29 70	
Sundries	1 60	
Total		319 87
Surplus of appropriation relinquished to general treasury . .		$146 66

MAINTENANCE, CAMBRIDGE FIELD AND SHELTER.

Appropriation				$1,999 96
DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.				
For use of towels, etc., at shelter	$71 51			
EXPENDED.				
For Cambridge Field:—				
Labor		$286 00		
Lighting		210 00		
			$496 00	
The Shelter—				
Salaries of:—				
Superintendent . .	$340 00			
Matron	170 00			
Cleaner	255 00			
		$765 00		
Hardware and supplies . . .		9 80		
Laundering towels		34 68		
Lighting		40 00		
Scale		18 00		
Soap		8 00		
			875 48	
Total				1,371 48
Surplus of appropriation relinquished to general treasury . .				$628 48

XIIa. Recreation—Continued.

COMMONS, SQUARES AND PUBLIC GROUNDS.

Appropriation		$1,766 54
EXPENDED.		
For labor, as per pay-roll	$375 21	
Filling	20 00	
Hardware, tools and supplies	23 75	
Lighting	110 00	
Lumber	56 78	
Paint	31 30	
Repairing fence	8 24	
Slats for settees	9 15	
Total		634 43
Surplus of appropriation relinquished to general treasury		$1,132 11

RINDGE FIELD.

Appropriation		$333 22
EXPENDED.		
For lighting	$92 72	
Setting glass	85	
Total		93 57
Surplus of appropriation relinquished to general treasury		$239 65

SECTIONS A, B, D, AND F.

Appropriation			$1,599 88
EXPENDED.			
For Section A:—			
Lighting		$69 08	
Section B:—			
Labor, as per pay-roll	$16 00		
Lighting	256 52		
Padlock	75		
		273 27	
Section D:—			
Filling	$37 25		
Lighting	164 03		
		201 28	
Section F:—			
Lighting		88 80	
Total			632 43
Surplus of appropriation relinquished to general treasury			$967 45

XIIa. Recreation—Concluded.

SECTIONS G AND H.

Appropriation		$666 59
EXPENDED.		
For labor, as per pay-roll	$12 00	
Lighting	256 56	
Total		268 56
Surplus of appropriation relinquished to general treasury		$398 03

3. BATH HOUSES.

BATH HOUSE, CAPTAINS' ISLAND.

Appropriation		$766 52
EXPENDED.		
For supplies	$2 63	
Total		2 63
Surplus of appropriation relinquished to general treasury		$763 89

XIIIa. INTEREST.

Appropriation			$87,859 51
DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.			
For interest on bank deposits	$877 00		
Interest on overdue taxes	5,731 92		
Interest on sewer assessments	22 83		
Interest on sidewalk assessments	30 85		
Accrued interest on bonds	141 78		
	$6,804 38		
EXPENDED.			
For interest on temporary loans		$4,728 19	
Interest on bonds:—			
Park loans	$21,905 00		
Other city loans	53,937 00		
		75,902 00	
Interest on trust funds:—			
Sanders Temperance Fund	$200 00		
Daniel White Charity	75 00		
		275 00	
Total			80,905 19
Surplus of appropriation relinquished to general treasury			$6,954 32

XIVa. UNCLASSIFIED.

2. DAMAGES TO PERSONS AND PERSONAL PROPERTY.

Appropriation		$1,257 74
EXPENDED.		
For executions of court:—		
George Bleiler	$125 00	
Elmira Gunner	764 84	
Henry Kervill	60 00	
Mary A. Taylor	150 00	
Damages awarded:—		
Margaret A. Avery	5 00	
Timothy Crane	2 75	
Robert J. Douglas, Jr.	25 00	
Wm. H. H. Howe	6 80	
Octave Larochelle	8 00	
Alice E. May	15 00	
Patrick E. Moylan	2 50	
Mrs. M. J. O'Connor	5 00	
Ralph L. Perry	75 00	
Thomas P. Rowe	5 60	
Rachel B. Sewell	3 00	
David L. Walsh	2 75	
Mary A. Walsh	1 50	
Total		1,257 74

CIVIL SERVICE DEPARTMENT.

Appropriation		$116 20
EXPENDED.		
For salary of clerk, Harry L. Lincoln	$100 00	
Stationery, printing, etc.:—		
Wm. M. L. McAdams	7 00	
Total		107 00
Surplus of appropriation relinquished to general treasury		$9 20

XVIIIa. MUNICIPAL INDUSTRIES.

3. WATER WORKS.

a. CONSTRUCTION GENERAL.

Appropriation		$1,713 16
DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.		
For labor and materials	$831 41	
Amount carried forward		$1,713 16

XVIIIa. Municipal Industries—Continued.

WATER WORKS, CONSTRUCTION GENERAL—Concluded.

Amount brought forward		$1,713 16
EXPENDED.		
For labor, as per pay-roll . . .	$252 63	
Building cesspools	175 00	
Lead	83 80	
Meters	85 25	
Pipe and fittings	57 57	
Professional services in connection with disposal of sewage . .	66 13	
Valves, gates, etc.	185 22	
Total		905 60
Surplus of appropriation relinquished to general treasury . .		$807 56

CONSTRUCTION, METERS.

Appropriation		$5,165 38
EXPENDED.		
For labor, as per pay-roll . . .	$530 75	
Advertising	6 75	
Check valves and fittings . . .	3 05	
Expressage and freight . . .	3 30	
Lumber	54 58	
Meters	1,994 85	
Pipe and fittings	238 15	
Total		2,831 43
Surplus of appropriation relinquished to general treasury . .		$2,333 95

CONSTRUCTION METERS COMPULSORY.

Appropriation		$1,000 00
EXPENDED.		
For labor, as per pay-roll	$13 50	
Total		13 50
Surplus of appropriation relinquished to general treasury . .		$986 50

CONSTRUCTION HOBBS BROOK CONDUIT.

Appropriation		$12,741 91
EXPENDED.		
For carriage hire	$10 00	
Examining titles	100 00	
Expressage	15	
Amounts carried forward	$110 15	$12,741 91

XVIIIa. Municipal Industries—Continued.

WATER WORKS, HOBBS BROOK CONDUIT—Concluded.

Amounts brought forward	$110 15	$12,741 91
Land and damage	1,834 95	
Recording deeds	12 05	
Taxes, Town of Watertown	268 13	
Teaming	15 00	
Total		2,240 28
Surplus of appropriation relinquished to general treasury		$10,501 63

b. MAINTENANCE AND OPERATION.

SALARIES OF SUPERINTENDENT, REGISTRAR, CLERK OF BOARD, INSPECTORS AND CLERKS.

Appropriation		$3,897 63
EXPENDED.		
For salaries of:—		
Superintendent	$714 00	
Registrar and Clerk of Board	811 75	
Inspectors	969 00	
Clerks	1,361 75	
Total		3,856 50
Surplus of appropriation relinquished to general treasury		$41 13

MAINTENANCE GENERAL.

Appropriation			$10,019 82
DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.			
For rates, fines, etc.		$49,730 07	
Miscellaneous:—			
Maintenance	$77 58		
Off and on	188 00		
Rent	48 00		
Seals	19 50		
Supply	583 31		
		916 39	
		$50,646 46	
EXPENDED.			
For labor, as per pay-roll	$5,543 12		
Automobile registration, supplies and repairs	19 06		
Carriage hire	86 00		
Carriage and wagon repairs	87 00		
Amounts carried forward	$5,735 18		$10,019 82

XVIIIa. Municipal Industries—Continued.

MAINTENANCE AND OPERATION, MAINTENANCE—Concluded.

Amounts brought forward	$5,735 18	$10,019 82
Car tickets	100 00	
Damages from bursting hydrants, leaks, etc.	338 66	
Damages for injuries received	25 50	
Directory	4 00	
Electrical fixtures	14 13	
Expressage	18 82	
Fuel	65 00	
Hardware, tools and repairs, and supplies	94 01	
Harness and repairs, and horse clothing	48 65	
Hay, grain and straw	344 80	
Horseshoeing and clipping	108 25	
House and stable repairs	74 07	
Inspecting house and services as witness	10 00	
Iron tank	10 00	
Lighting	11 34	
Lumber	31 10	
Meters, fittings and repairs	47 08	
Motor service	20 00	
Oil	3 96	
Pipe and fittings	290 96	
Rent of safe deposit box for sinking funds	80 00	
Repairing fountain	26 71	
Repairing pavement	15 64	
Search of estate	3 00	
Services as consulting electrical engineer	200 00	
Stationery, printing and office supplies	235 78	
Subscriptions	7 50	
Telephone service	46 70	
Ventilator	4 00	
Sundries	4 35	
Total		8,019 19
Surplus of appropriation relinquished to general treasury		$2,000 63

PUMPING, SALARIES AND LABOR.

Appropriation		$2,723 09
EXPENDED.		
For salaries of:—		
Engineer	$605 47	
Assistant engineer	340 00	
Labor, as per pay-roll	1,776 74	
Total		2,722 21
Surplus of appropriation relinquished to general treasury		$ 88

XVIIIa. Municipal Industries—Continued.

PUMPING, GENERAL EXPENSES.

Appropriation		$3,999 20
EXPENDED.		
For electrical supplies	$15 01	
Engine and boiler supplies and repairs	204 69	
Expressage	2 95	
Fuel and freight	1,268 80	
Gasoline, oil, etc.	6 90	
Hardware, tools and repairs, and supplies	9 47	
Plumbing	54 23	
Roof repairs	57 58	
Telephone service	29 70	
Total		1,649 33
Surplus of appropriation relinquished to general treasury		$2,349 87

FRESH POND RESERVOIR.

Appropriation		$2,243 88
EXPENDED.		
For labor, as per pay-roll	$1,359 38	
Hardware, tools and supplies	11 57	
Horseshoeing	6 72	
Oats	19 50	
Total		1,397 17
Surplus of appropriation relinquished to general treasury		$846 71

FRESH POND SANITARY.

Appropriation		$2,312 61
EXPENDED.		
For contract for building	$1,813 00	
Detail drawings	30 00	
Sketches for sanitary and draughting	83 82	
Tile	12 50	
Total		1,939 32
Surplus of appropriation relinquished to general treasury		$373 29

XVIIIa. Municipal Industries—Continued.

HOBBS BROOK RESERVOIR.

Appropriation		$482 94
EXPENDED.		
For salary of gate-keeper	$255 00	
Labor, gathering moths, etc.	54 00	
Hardware and supplies	5 10	
Harness repairs	11 30	
Oats	33 00	
Professional services	80 00	
Telephone service	5 52	
Total		443 92
Surplus of appropriation relinquished to general treasury		$39 02

PAYSON PARK RESERVOIR.

Appropriation		$267 92
EXPENDED.		
For salary of keeper	$238 00	
Labor, as per pay-roll	2 00	
Fuel	7 25	
Total		247 25
Surplus of appropriation relinquished to general treasury		$20 67

STONY BROOK RESERVOIR.

Appropriation		$782 05
EXPENDED.		
For salary of gateman	$297 50	
Labor on moth work, etc.	33 00	
Cleaning cess-pools	120 35	
Fitting castings	8 20	
Fuel	15 75	
Hardware and supplies	6 48	
Horseshoeing	19 75	
Hose	24 83	
Oats	36 00	
Professional services	80 00	
Storage of wagon	7 50	
Telephone service	14 50	
Wagon repairs	15 67	
Water rates, Waltham	7 00	
Total		686 53
Surplus of appropriation relinquished to general treasury		$95 52

XVIIIa. Municipal Industries—Continued.

ICE FOR FOUNTAINS.

Appropriation		$259 25
EXPENDED.		
For ice	$34 27	
Total		34 27
Surplus of appropriation relinquished to general treasury		$224 98

ABATEMENTS.

Appropriation		$1,066 12
EXPENDED.		
For abatements, as per registrar's certificates	$124 80	
Total		124 80
Surplus of appropriation relinquished to general treasury		$941 32

REFUNDS.

Appropriation		$1,354 12
EXPENDED.		
For refunds, as per registrar's certificates	$1,173 85	
Total		1,173 85
Surplus of appropriation relinquished to general treasury		$180 27

3f. WATER WORKS, INTEREST.

Appropriation		$53,333 33
EXPENDED.		
For interest on water debt	$34,131 25	
Total		34,131 25
Surplus of appropriation relinquished to general treasury		$18,202 08

XVIIIa. Municipal Industries—Concluded.

CAMBRIDGE WATER WORKS.

In account with the City of Cambridge for the four months ending March 31, 1908.

RECEIPTS AND EXPENDITURES.

Recepits, construction :—		Expended for:—	
Balance from 1907	$16,626 37	Construction general	$905 60
Miscellaneous receipts	831 41	Meters	2,831 43
		Meters, compulsory	13 50
		Hobbs Brook Conduit	2,240 28
		Balance to credit of construction account	11,466 97
	$17,457 78		$17,457 78

Receipts, maintenance:—		Expended for Maintenance:—	
Balances from 1907:—		Maintenance	$20,995 69
Interest account	$6,834 75	Interest	34,131 25
Fresh Pond Sanitary	2,312 61	Abatements	124 80
Receipts for 4 months:—		Refunds	1,173 85
Rates, etc.	49,730 07	Balance to credit of maintenance account	3,368 23
Miscellaneous	916 39		
	$59,793 82		$59,793 82

XIXa. PUBLIC CEMETERIES.

CAMBRIDGE CEMETERY, SALARIES.

Appropriation		$5,282 92
EXPENDED.		
For salaries of:—		
Superintendent	$666 64	
Foreman	327 25	
Clerk	357 00	
Labor, as per pay-roll	2,291 80	
Total		3,642 69
Surplus of appropriation relinquished to general treasury		$1,640 23

GENERAL EXPENSES.

Appropriation		$999 66
DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.		
For brick and slate graves	$251 00	
Burials	938 00	
Care of lots	182 00	
Chapel	6 00	
Foundations	143 51	
Rent	28 00	
Sundries	98 25	
Sales of lots and graves	2,680 00	
	$4,326 76	
EXPENDED.		
For carriage hire	$5 00	
Car tickets	20 00	
Directory	4 00	
Expressage	5 70	
Hardware, tools and supplies	44 55	
Harness repairs	1 00	
Hay, grain and straw	31 09	
Hemlock boughs	7 50	
Horseshoeing	4 50	
Lighting	5 04	
Lumber	26 62	
Manure	57 90	
Removing nests of brown-tail moth	60 00	
Roof repairs	7 15	
Sand	13 50	
Stationery, printing and office supplies	80 48	
Stone dust	169 39	
Telephone service	15 15	
Total		558 57
Surplus of appropriation relinquished to general treasury		$441 09

SUMMARY.—APPROPRIATIONS AND EXPENDITURES.

TITLES OF ACCOUNTS	Balances from 1907	Appropriations	Total Appropriations	Expended	Balance Unexpended
SOLDIERS' RELIEF.					
State Aid		$11,125.91	$11,125.91	$10,494.80	$631.11
GENERAL GOVERNMENT.					
Legislative					
City Council Expenses		3,046.03	3,046.03	1,931.05	1,114.98
Clerk of Committees					
Salaries		1,294.70	1,294.70	1,294.70	
Expenses		165.95	165.95	130.12	35.83
Executive Department					
Salaries		1,826.67	1,826.67	1,812.66	14.01
Expenses		233.25	233.25	170.00	63.25
Financial Departments					
Auditing Department					
Salaries		1,333.33	1,333.33	1,322.42	10.91
Expenses		99.84	99.84	99.51	.33
Treasury Department					
Salaries		3,566.61	3,566.61	3,369.46	197.15
Expenses		2,792.17	2,792.17	1,264.85	1,527.32
Assessors' Department					
Salaries		4,583.33	4,583.33	2,936.64	1,646.69
Expenses		524.72	524.72	522.74	1.98
Sinking Fund Officials		208.33	208.33	205.00	3.33
Other General Departments					
City Clerk's Department					
Salaries		2,284.22	2,284.22	2,209.57	74.65
Expenses		1,382.73	1,382.73	1,241.20	141.53
Law Department					
Salaries		1,374.67	1,374.67	1,370.64	4.03
Expenses		402.43	402.43	211.20	191.23
City Messenger's Department					
Salaries		694.82	694.82	670.64	24.18
Expenses		123.46	123.46	114.68	8.78
City Hall					
Salaries		4,361.23	4,361.23	4,356.49	4.74
Expenses		4,883.27	4,883.27	4,631.73	251.54
Elections and Registration					
Election Expenses, City Clerk		4,045.00	4,045.00	4,044.01	.99
Registrars of Voters		1,846.09	1,846.09	1,631.79	214.30
Superintendent of Buildings		2,063.79	2,063.79	1,399.86	663.93
Postage and Stationery		762.77	762.77	472.60	290.17
PROTECTION OF LIFE AND PROPERTY.					
Police Department					
Salaries		52,983.29	52,983.29	51,462.55	1,520.74
Expenses		2,479.84	2,479.84	2,307.65	172.19
Fire Department					
Salaries		34,263.05	34,263.05	33,925.64	337.41
Expenses		7,863.36	7,863.36	7,454.28	409.08
Electrical Department, Wires					
Salaries		4,074.67	4,074.67	4,073.32	1.35
Expenses		1,413.27	1,413.27	1,402.89	10.38
Police Signal Boxes		900.00	900.00		900.00
Amounts carried forward		$159,002.80	$159,002.80	$148,534.69	$10,468.11

SUMMARY.—APPROPRIATIONS AND EXPENDITURES.

TITLES OF ACCOUNTS	Balances from 1907	Appropriations	Total Appropriations	Expended	Balance Unexpended
Amounts brought forward		$159,002.80	$159,002.80	$148,534.69	$10,468.11
Protection of Life and Property—con.					
Superintendent of Buildings					
Salaries		2,115.33	2,115.33	2,094.64	20.69
Expenses		292.60	292.60	286.60	6.00
Sealer of Weights and Measures					
Salaries		1,057.18	1,057.18	890.00	167.18
Expenses		163.77	163.77	158.13	5.64
Standard Balance		150.00	150.00		150.00
HEALTH AND SANITATION.					
Health					
Salaries		4,562.01	4,562.01	4,550.39	11.62
General Expenses		9,720.24	9,720.24	7,562.42	2,157.82
Diphtheria Hospital		2,840.66	2,840.66	2,686.35	154.31
Land for Hospital	6,240.00		6,240.00		6,240.00
Inspector of Milk and Vinegar					
Salaries		621.39	621.39	588.33	33.06
Expenses		95.77	95.77	79.29	16.48
Inspector of Animals		295.38	295.38	246.82	48.56
Sanitation					
Sewers, Construction					
General	1,774.76	2,225.00	3,999.76	3,997.08	2.68
Portland St. Trunk Sewer	2,612.84		2,612.84	289.39	2,323.45
Gate Chambers	2,168.50		2,168.50	716.56	1,451.94
Separate System	7,279.63		7,279.63	4,502.38	2,777.25
Subway Construction	7,000.00		7,000.00		7,000.00
Sewers, Maintenance		6,489.73	6,489.73	5,280.56	1,209.17
Refuse and Garbage Disposal					
House Offal					
Labor		9,440.15	9,440.15	9,036.50	403.65
Expenses		2,554.90	2,554.90	2,420.11	134.79
Collection of Ashes		14,486.16	14,486.16	13,395.04	1,091.12
Incinerator Plant	29,613.91		29,613.91	12,703.26	16,910.65
HIGHWAYS AND BRIDGES.					
General Supervision					
Salaries of Superintendent of Streets and Clerks		2,287.00	2,287.00	2,138.32	148.68
Engineering Department					
Salaries		3,294.28	3,294.28	3,201.74	92.54
Expenses		299.66	299.66	180.52	119.14
Street Construction					
Binney St. and Others		11,000.00	11,000.00		11,000.00
Allston St. and Others	1,471.62		1,471.62	525.07	946.55
Houghton St. and Others	1,822.93		1,822.93	1,458.22	364.71
Somerville Ave.	1,250.34		1,250.34	1,242.85	7.49
Land Damages	12,611.44	23,500.00	36,111.44	27,393.51	8,717.93
Street Paving					
Maintenance		27,625.18	27,625.18	27,010.26	614.92
Amounts carried forward	$73,845.97	$284,119.19	$357,965.16	$283,169.03	$74,796.13

SUMMARY.—APPROPRIATIONS AND EXPENDITURES.

TITLES OF ACCOUNTS	Balances from 1907	Appropriations	Total Appropriations	Expended	Balance Unexpended
Amounts brought forward	$73,845.97	$284,119.19	$357,965.16	$283,169.03	$74,796.13
Highways and Bridges—con.					
Rebuilding Streets					
Cambridge Street	1,181.45		1,181.45	524.49	656.96
Hampshire Street	470.02		470.02	104.12	365.90
Crossings		887.42	887.42	111.50	775.92
Street Cleaning		12,328.21	12,328.21	6,331.29	5,996.92
Snow Removal		5,000.00	5,000.00	4,812.17	187.83
Street Sprinkling		10,430.37	10,430.37	3,013.43	7,416.94
Street Lighting					
Salaries		333.33	333.33	333.32	.01
Expenses		26,716.11	26,716.11	26,596.42	119.69
Sidewalks and Curbing					
Edgestones and Sidewalks		8,831.51	8,831.51	858.56	7,972.95
Sidewalk Repairs		1,831.60	1,831.60	20.72	1,810.88
Bridges					
Bridges—Street Department		2,512.42	2,512.42	1,747.36	765.06
Commercial Ave. Bridge	36,160.23		36,160.23	23,742.35	12,417.88
Rebuilding First St. Bridge		10,000.00	10,000.00	102.75	9,897.25
Brookline Bridge Approach	1,631.98		1,631.98		1,631.98
Boston Bridges					
Salaries		3,617.47	3,617.47	3,609.87	7.60
General Expenses		2,207.75	2,207.75	1,780.51	427.24
Cambridge Bridge	2,246.34		2,246.34	2,160.57	85.77
Shade Trees (Park Dept.)		1,666.64	1,666.64	910.56	756.08
Moth Extermination (Park Dept.)		5,000.00	5,000.00	4,379.85	620.15
Miscellaneous					
Board of Survey		158.24	158.24	92.90	65.34
CHARITIES.					
City Farm					
Labor		1,326.93	1,326.93	830.00	496.93
Expenses		332.82	332.82	294.26	38.56
City Home					
Salaries		2,344.87	2,344.87	2,306.65	38.22
Expenses		4,156.64	4,156.64	4,143.16	13.48
City Home Hospital		533.24	533.24	500.68	32.56
Outside Aid					
Salaries		1,296.67	1,296.67	1,292.00	4.67
Expenses		17,829.52	17,829.52	17,724.09	105.43
City Physician		666.66	666.66	666.64	.02
PUBLIC SCHOOLS.					
Schoolhouses, Maintenance		34,466.87	34,466.87	33,451.39	1,015.48
Care of Truants		701.08	701.08	620.73	80.35
Flags		15.94	15.94	11.25	4.69
Incidentals		1,106.60	1,106.60	862.62	243.98
Text-Books and Supplies		6,939.07	6,939.07	6,029.86	909.21
Transportation of Pupils		261.70	261.70	261.00	.70
Salaries, Teachers and Officers		169,872.37	169,872.37	167,510.22	2,362.15
Commercial Equipment, R. M. T. S.		2,500.00	2,500.00	25.00	2,475.00
Amounts carried forward	$115,535.99	$619,991.24	$735,527.23	$600,931.32	$134,595.91

SUMMARY.—APPROPRIATIONS AND EXPENDITURES.

TITLES OF ACCOUNTS	Balances from 1907	Appropriations	Total Appropriations	Expended	Balance Unexpended
Amounts brought forward	$115,535.99	$619,991.24	$735,527.23	$600,931.32	$134,595.91
LIBRARIES.					
Central Library					
Salaries		3,749.80	3,749.80	3,749.62	.18
Expenses		4,033.23	4,033.23	4,032.88	.35
East Cambridge Branch					
Salaries		320.43	320.43	320.03	.40
Expenses		484.32	484.32	484.16	.16
North Cambridge Branch					
Salaries		363.15	363.15	353.41	9.74
Expenses		658.00	658.00	657.74	.26
RECREATION.					
Park Dept. Construction	5,829.16		5,829.16	4,635.83	1,193.33
Rindge Field	100.70		100.70	33.75	66.95
Playground, East Cambridge	289.95		289.95		289.95
Park Department, Maintenance					
Salaries		764.67	764.67	755.00	9.67
General Account		466.53	466.53	319.87	146.66
Cambridge Field and Shelter		1,999.96	1,999.96	1,371.48	628.48
Commons, Squares and Public Grounds		1,766.54	1,766.54	634.43	1,132.11
Rindge Field		333.22	333.22	93.57	239.65
River Parkway, Sections A. B. D. and F.		1,599.88	1,599.88	632.43	967.45
Sections G. and H.		666.59	666.59	268.56	398.03
Bath House, Captain's Island		766.52	766.52	2.63	763.89
INTEREST.		88,216.28	88,216.28	80,905.19	7,311.09
UNCLASSIFIED.					
Damages to Persons and Personal Property		1,257.74	1,257.74	1,257.74	
Civil Service Department		116.20	116.20	107.00	9.20
MUNICIPAL INDUSTRIES.					
Water Works					
Construction General	1,713.16		1,713.16	905.60	807.56
Meters	165.38	5,000.00	5,165.38	2,831.43	2,333.95
Meters Compulsory		1,000.00	1,000.00	13.50	986.50
Hobbs Brook Conduit	12,741.91		12,741.91	2,240.28	10,501.63
Maintenance					
Salaries of Superintendent, Registrar, Clerk of Board, Inspectors and Clerks		3,897.63	3,897.63	3,856.50	41.13
General Expenses		10,019.82	10,019.82	8,019.19	2,000.63
Pumping					
Salaries and Labor		2,723.09	2,723.09	2,722.21	.88
Expenses		3,999.20	3,999.20	1,649.33	2,349.87
Fresh Pond Reservoir		2,243.88	2,243.88	1,397.17	846.71
Fresh Pond Sanitary	2,312.61		2,312.61	1,939.32	373.29
Hobbs Brook Reservoir		482.94	482.94	443.92	39.02
Amounts carried forward	$138,688.86	$756,920.86	$895,609.72	$727,565.09	$168,044.63

SUMMARY.—APPROPRIATIONS AND EXPENDITURES.

TITLES OF ACCOUNTS	Balances from 1907	Appropriations	Total Appropriations	Expended	Balance Unexpended
Amounts brought forward	$138,688.86	$756,920.86	$895,609.72	$727,565.09	$168,044.63
Municipal Industries—con.					
Payson Park Reservoir		267.92	267.92	247.25	20.67
Stony Brook Reservoir		782.05	782.05	686.53	95.52
Ice for Fountains		259.25	259.25	34.27	224.98
Interest	6,834.75	50,055.08	56,889.83	34,131.25	22,758.58
Abatements		1,066.12	1,066.12	124.80	941.32
Refunds		1,354.12	1,354.12	1,173.85	180.27
PUBLIC CEMETERIES.					
Cambridge Cemetery					
Salaries and Labor		5,282.92	5,282.92	3,642.69	1,640.23
Expenses		999.66	999.66	558.57	441.09
Total	$145,523.61	$816,987.98	$962,511.59	$768,164.30	$194,347.29

CITY TREASURY.

Dr.

To Cash in Treasury, Dec. 1, 1907	$2,853.15	
Receipts from City Department Accounts	32,714.97	
Receipts from Water Department Accounts	51,477.87	
Receipts from Collector of Taxes	312,977.05	
Licenses	464.15	
Special Assessments	14,932.05	
Loan, Temporary	430,000.00	
Cemetery Fund	172.50	
Corporation Tax	7,877.84	
National Bank Tax	447.79	
Loan, City	10,000.00	
Loan, Street	34,000.00	
		$897,917.37

Cr.

By Amount Expended, City Department Accounts	$624,842.71	
Amount Expended, Water Department Accounts	62,416.40	
Abatements, Taxes and Assessments	16,865.35	
License Refunds	15.75	
Interest	80,905.19	
		$785,045.40
Balance in Treasury, March 31, 1908		$112,871.97
Unexpended balances of special funds to be re-appropriated		112,359.05
Cash balance		$512.92

DEBT AND VALUATION.

CITY FUNDED DEBT.

There have been additions to the City Funded Debt during the four months, as follows:

City Loan, coupon bonds payable in ten years at an annual interest of 4 per cent.

For the purpose of rebuilding the First Street Bridge across Broad Canal, as authorized by Chapter 27 of the Revised Laws of Massachusetts $10,000.00

Street Loan, coupon bonds payable in twenty years at an annual interest of 4 per cent.

For the purpose of the construction of highways, streets and ways, and for defraying the cost of any real estate or interest thereon, taken for such highways, under authority conferred by Chapter 212 of the Legislative Acts of the year 1894. (Binney, Bowdoin and Tenney Streets, Phillips Place, Manassas Avenue, and the Harriet Porter Land 34,000.00

$44,000.00

	1907	1908	Increase
Funded City Debt	$6,896,350.00	$6,940,350.00	$44,000.00
Sinking Funds	1,185,830.36	1,185,830.36	———
Net Funded City Debt	$5,710,519.64	$5,754,519.64	$44,000.00

ABATEMENT CERTIFICATES ALLOWED BY BOARD OF ASSESSORS.

	Real	Personal	Poll	Total
Taxes of 1902			$14.00	$14.00
Taxes of 1903			12.00	12.00
Taxes of 1904		$25.06	16.00	41.06
Taxes of 1905		11.40	4.00	15.40
Taxes of 1906	$9.30	65.10	10.25	84.65
Taxes of 1907	9,717.48	2,051.94	190.00	11,959.42
Street Watering				7.08
Moth Assessment				14.13
	$9,726.78	$2,153.50	$246.25	$12,147.74

The valuation of estates in this city, for the years hereinbefore mentioned, are the same as originally made by the Board of Assessors during those years, and the same figures were reported by that board to the Tax Commissioners for each of the years respectively. These valuations were subject to changes in each year, after such report was made, as shown by the following:

Net valuations of estates in the City of Cambridge for the past three years, after adding the amounts of all supplementary warrants and deducting therefrom all abatements:

Year	Total Valuation	Abatements	Net Valuation
1905	$103,953,127	$2,279,708	$101,673,419
1906	105,411,735	2,660,050	102,751,685
1907	107,073,190	2,643,692	104,429,498
	$316,438,052	$7,583,450	$308,854,602

ANNUAL REPORT OF THE CITY AUDITOR.

CITY AUDITOR'S OFFICE.
April 1, 1909.

To the Honorable, the City Council:—

The undersigned herewith presents a statement of the receipts and payments of the City of Cambridge for the year, beginning on the first day of April, 1908, and ending on the thirty-first day of March, 1909.

The first part of this report is devoted to an exhibit arranged upon the Schedules for Uniform Municipal Accounting as issued by the Bureau of Statistics of Labor of the Commonwealth of Massachusetts. Following these schedules are presented detailed statements arranged in the same order, together with the usual matters given in the Auditor's report, including a schedule of the city property.

Respectfully submitted,

HARRY T. UPHAM,
City Auditor.

REPORT OF CITY AUDITOR

FOR THE YEAR ENDING MARCH 31, 1909.

RECEIPTS AND PAYMENTS OF THE FISCAL YEAR.

Consolidated Statement.

Cash Balance at the beginning of the year		$112,871 97
Actual Receipts* during the year	$3,664,054 49	
Actual Payments* during the year	3,656,707 97	
Excess of Receipts	$7,346 52	
Excess of Trust Fund Payments	172 50	
		7,174 02
Cash Balance at end of year		$120,045 99

* Omitting duplications

GENERAL EXHIBIT OF RECEIPTS AND PAYMENTS OF THE FISCAL YEAR.

	Receipts.	Payments.
*Revenue Accounts (Operation and maintenance)..	$2,891,105 40	$2,834,483 53
*Non-Revenue Accounts (Construction, etc.)... ...	772,949 09	822,224 44
TOTAL ACTUAL CASH TRANSACTIONS OF THE YEAR (omitting duplications).....	$3,664,054 49	$3,656,707 97
Trust Funds.....	3,983 92	4,156 42
Duplications.....	570,900 00	570,900 00
Total transactions, per City Auditor's books.....	$4,238,938 41	$4,231,764 39

ACTUAL FINANCIAL RESULT OF THE OPERATION AND MAINTENANCE OF THE CITY FOR THE YEAR.

Revenue Receipts, as above, from taxation and other sources, not including money borrowed		$2,891,105 40
Revenue Payments, as above, for operation and maintenance (running expenses)		2,834,483 53
Excess of Revenue Receipts for the year		$56,621 87
Excess of Non-Revenue or Capital Payments.....	$49,275 35	
Excess of Trust Fund Payments.....	172 50	
		49,447 85
Excess of Receipts.....		$7,174 02

*These terms replace the former titles "ordinary" and "extraordinary."

EXHIBIT OF RECEIPTS AND PAYMENTS FOR THE YEAR, REVENUE AND NON-REVENUE, GROUPED ACCORDING TO FUNCTIONS.

REVENUE.	Receipts.	Payments.
Taxes	$2,388,266 59	$344,276 13
Licenses	8,901 17	98 40
Special Assessments	36,669 68	281 06
Departmental:		
General Government	14,627 71	114,570 90
Protection of Life and Property	9,131 80	323,430 63
Health and Sanitation	17,707 19	263,951 91
Highways and Bridges	2,952 90	289,337 80
Charities	7,663 78	54,815 28
Education	9,168 18	504,269 42
Libraries amd Reading Rooms	943 78	28,198 22
Recreation	4,448 43	82,614 92
Soldiers' Benefits	16,998 00	31,676 20
Unclassified	50 00	2,547 17
Interest	17,831 60	430,993 09
Cemeteries	17,480 56	18,425 08
Municipal Industries	373,034 42	93,049 24
Municipal Indebtedness	30,720 90	12,500 00
Sinking Funds	.....	304,939 37
Totals	$2,956,596 69	$2,899,974 82
Less Transfers, Rebates and Refunds	65,491 29	65,491 29
	$2,891,105 40	$2,834,483 53

NON-REVENUE.	Receipts.	Payments
Special Assessments	$16,715 34	.....
Departmental:		
General Government	.....	$375 00
Protection of Life and Property	.....	1,050 00
Health and Sanitation	.....	86,382 29
Highways and Bridges	.....	170,346 35
Education	.....	44,842 16
Recreation	1,000 00	43,395 08
Unclassified	24,645 35	.....
Cemeteries	.....	499 02
Municipal Industries	5,588 40	45,334 54
Municipal Indebtedness	1,220,000 00	1,000,900 00
Sinking Funds	75,900 00	.....
Trust Funds and Bequests	3,983 92	4,156 42
Totals	$1,347,833 01	$1,397,280 86
Less Trust Funds and Duplications	574,883 92	575,056 42
	$772,949 09	$822,224 44

STATEMENT OF ACTUAL REVENUE AND EXPENSE

Revenue of the City for the Year.

Amount collected during the year	$4,304,429 70	
Amount due but not collected	153,926 11	
Total amount of expense		$4,458,455 81

Expense of the City for the Year.

Amount paid out during the year	$4,297,255 68	
Amount due but not paid	140,558 61	
Total amount of expense		$4,437,814 29
Excess of revenue		$20,641 52

RECEIPTS CLASSIFIED BY SOURCES.

SOURCES OF RECEIPTS	Receipts from Revenue	Receipts on Capital Accounts	Receipts on Temporary Accounts	Total Receipts
1. TAXES.				
1. Current Year				
a. Poll Taxes	$31,730 00			
b. Personal	331,404 77			
c. Real Estate	1,712,188 85			
2. Previous Years				
a. Poll Taxes				
b. Personal	147,657 96			
c. Real Estate				
3. Street Railway Tax by City				
4. All Other Taxes by City				
Tax Lien Account	28 02			
5. Corporation Tax from State	84,051 96			
6. National Bank Tax from State	17,615 85			
7. Street Railway Tax from State	63,589 18			
8. All Other Taxes from State				
9. Total from Taxes	$2,388,266 59			$2,388,266 59
2. LICENSES.				
10. Amusement	$45 00			
11. Auctioneers	40 00			
12. Business	1,061 00			
13. Dog, From County	4,930 67			
14. Druggists (sixth class liquor)	52 00			
15. Fish Rights				
16. Junk	1,224 00			
17. Liquor (except sixth class)				
18. Marriage	1,146 50			
19. Milk	160 50			
20 Pool and Bowling Alleys	96 00			
21. All Others				
Minors'	130 00			
Smoke	1 00			
Hunters'	14 50			
22. Total from Licenses	$8,901 17			$8,901 17
3. SPECIAL ASSESSMENTS.				
23. Street Sprinkling	$34,746 34			
24. Moth Extermination	1,923 34			
25. Sewers		$3,120 37		
26. Sidewalks and Curbing		13,343 20		
27. All Others				
Betterments		251 77		
28. Total from Special Assessments	$36,669 68	$16,715 34		$53,385 02

PAYMENTS CLASSIFIED BY OBJECTS.

OBJECTS OF PAYMENTS	Payments on Account of Current Expenses	Payments on Capital Accounts	Payments on Temporary Accounts	Total Payments
1. TAXES.				
1. Taxes Rebated	$53,233 20			
2. Other Tax Payments				
Tax Lien Account	215 18			
3. Tax Remittances to County	106,401 67			
4. Tax Remittances to State				
a. State Tax	168,740 00			
b. State Corporation Tax				
c. State National Bank Tax	4,386 08			
d. All Other Taxes to State				
Grade Crossing Tax	11,300 00			
5. Total for Taxes	$344,276 13			$344,276 13
2. LICENSES.				
6. Liquor Licenses Remitted to State	$13 00			
7. Liquor Licenses Refunded				
8. All Others				
Minors' Licenses Refunded	85 40			
9. Total for Licenses	$98 40			$98 40
3. SPECIAL ASSESSMENTS.				
10. Special Assessments Rebated				
a. Street Sprinkling	$271 47			
b. Moth Extermination	9 59			
c. Sewers				
d. Sidewalks and Curbing				
11. All Others				
12. Total for Special Assessments	$281 06			$281 06

RECEIPTS CLASSIFIED BY SOURCES.

SOURCES OF RECEIPTS	Receipts from Revenue	Receipts on Capital Accounts	Receipts on Temporary Accounts	Total Receipts
4. DEPARTMENTAL.				
4a. General Government.				
29. Legislative				
a. Aldermen and Council				
30. Executive				
a. Mayor's Office				
31. Other General Depts.				
a. Auditor				
b. Treasurer)	$5,914 37			
c. Collector)				
d. Assessors				
e. Sinking Fund Commissioners				
f. City Clerk	1,348 20			
g. Law	1,015 00			
h. City Messenger				
i. Public Works				
j. Election and Registration				
k. License Commissioners				
l. All Other Depts.				
32. Municipal Buildings				
Rent and Heating Buildings	4,540 00			
Rent of Land	249 96			
33. Printing and Stationery	1,496 83			
34. Miscellaneous				
Sale of Building Ordinances	12 75			
Money Not Called for on Drafts of Previous Years	50 60			
35. Total from General Government	$14,627 71			$14,627 71

PAYMENTS CLASSIFIED BY OBJECTS.

OBJECTS OF PAYMENTS	Payments on Account of Current Expenses	Payments on Capital Accounts	Payments on Temporary Accounts	Total Payments
4. DEPARTMENTAL.				
4a. General Government.				
18. Legislative				
a. Salaries of Aldermen and Council				
b. Other Salaries (including Clerk of Committees	$4,530 90			
c. Other Expenses	5,149 52			
14. Executive				
a. Salary of Mayor	3,500 00			
b. Other Salaries	1,989 00			
c. Other Expenses	689 39			
15. Other General Depts.				
a. Auditor				
Salaries and Wages	4,028 75			
Other Expenses	269 12			
b. Treasurer				
Salaries and Wages	10,746 91			
Other Expenses	8,203 73			
c. Collector				
Salaries and Wages				
Other Expenses				
d. Assessors				
Salaries and Wages	12,573 50			
Other Expenses	1,973 46			
e. Sinking Fund Com.				
Salaries and Wages	325 00			
Other Expenses	40 00			
f. City Clerk				
Salaries and Wages	6,941 51			
Other Expenses	1,976 57			
g. Law				
Salaries, Wages and Fees	4,124 00			
Other Expenses	1,000 00			
h. City Messenger				
Salaries and Wages	2,024 00			
Other Expenses	335 00			
i. Public Works				
Salaries and Wages	300 00			
Other Expenses	49 47			
j. Election and Registration				
Salaries and Wages	10,360 10			
Other Expenses	8,352 01	$375 00		
k. License Commissioners				
Salaries and Wages				
Other Expenses				
l. All Other Departments				
Board of Appeal	29 95			
16. Municipal Buildings	23,540 82			
17. Printing and Stationery	1,518 19			
18. Other Expenses				
19. Total for General Government	$114,570 90	$375 00		$114,945 90

RECEIPTS CLASSIFIED BY SOURCES.

SOURCES OF RECEIPTS	Receipts from Revenue	Receipts on Capital Accounts	Receipts on Temporary Accounts	Total Receipts
4b. Protection of Life and Property.				
36. Police Department				
a. Sale of Materials				
b. Fines, Police Court, etc.	**$7,519 60**			
c. Miscellaneous				
Cloth and Collars	**839 42**			
37. Fire Department				
a. Sale of Materials				
b. Miscellaneous				
38. Signal Service				
a. Fire Alarm				
b. Police Telegraph				
39. Militia and Armories				
40. Inspection				
a. Inspection of Buildings				
b. Inspection of Wires	27 70			
c. Sealing of Weights and Measures				
Fees for Sealing	**725 08**			
Old Wagon	20 00			
41. Total from Protection of Life and Property	$9,131 80			$9,131 80

PAYMENTS CLASSIFIED BY OBJECTS.

OBJECTS OF PAYMENTS	Payments on Account of Current Expenses	Payments on Capital Accounts	Payments on Temporary Accounts	Total Payments
4b. Protection of Life and Property.				
20. Police Department				
a. General Administration				
Salaries and Wages	$7,925 00			
Other Expenses	1,357 74			
b. Salaries of Police	134,882 54			
c. Other Salaries	7,672 50			
d. Constable's Services				
e. Court Fees				
f. Hay, Grain and Straw	724 49			
g. Horses				
h. Fuel and Light	1,913 16			
i. Station Houses and Lockups				
Furniture and Furnishings	175 58			
Food Furnished Prisoners	42 73			
Cleaning and Supplies	584 00			
j. Repairs on Buildings	146 03			
k. New Buildings, Additions and Land				
l. Pensions and Gratuities	9,007 25			
m. Fish and Game Wardens				
n. Harbor Master				
o. Other Expenses	57 85			
Uniforms	1,081 46			
Ambulance and Patrol Wagon Expenses (except horses, hay and grain)	1,618 90			
21. Fire Department				
a. General Administration				
Salaries and Wages	3,500 00			
Other Expenses	175 64			
b. Fire Wardens				
c. Firemen	99,508 44			
d. Forest Warden				
e. Hay, Grain and Straw	6,329 98			
f. Horses and Horse Hire	1,237 38			
Harness, Shoeing and Clipping	1,743 12			
g. Fuel and Light	4,018 75			
h. Furniture and Furnishings	491 92			
Other Expenses of Fire Houses	1,165 53			
i. Hydrants (water rental)				
j. Equipment and Repairs	5,994 45			
k. Repairs on Buildings	1,192 83			
l. New Buildings, Additions and Land				
m. Pensions and Gratuities	4,211 00			
n. Other Expenses	142 36			
22. Signal Service				
a. Fire Alarm	2,374 25			
b. Police Telegraph		$900 00		
23. Militia and Armories	1,600 39			
24. Inspection				
a. Inspection of Buildings	5,085 42			
b. Inspection of Wires	12,843 78			
c. Sealing of Weights and Measures	2,790 08	150 00		
d. Inspection of Plumbing	1,209 00			
e. Examiners of Plumbers	54 33			
f. Watchman for Public Property	450 00			
g. Care of Tower Clocks	122 75			
25. Total for Protection of Life and Property	$323,430 63	$1,050 00		$324,480 63

RECEIPTS CLASSIFIED BY SOURCES.

SOURCES OF RECEIPTS	Receipts from Revenue	Receipts on Capital Accounts	Receipts on Temporary Accounts	Total Receipts
4c. Health and Sanitation.				
Health.				
42. Contagious Disease Hospitals and Pest Houses	$3,959 80			
43. Inspection				
a. Insp. of Animals				
b. Inspection of Meat and Provisions				
c. Inspection of Milk and Vinegar				
44. Miscellaneous				
Modified Milk	479 51			
Refund of Overpayment	13 65			
Sanitation.				
45. House Connections				
46. Sewers and Sewage Disposal	152 92			
47. Refuse and Garbage Disposal	13,101 31			
48. Miscellaneous				
49. Total from Health and Sanitation	$17,707 19			$17,707 19

PAYMENTS CLASSIFIED BY OBJECTS.

OBJECTS OF PAYMENTS	Payments on Account of Current Expenses	Payments on Capital Accounts	Payments on Temporary Accounts	Total Payments
4c. Health and Sanitation.				
Health.				
26. General Administration	$4,277 22			
27. Physician to Board of Health	1,500 00			
28. Contagious Disease Hospitals and Pest Houses	43,042 79	$20,777 80		
29. Inspection				
a. Inspection of Animals	827 50			
b. Insp. of Meat and Provisions	1,209 00			
c. Insp. of Milk and Vinegar	2,043 45			
d. Insp. of School Children	2,606 75			
e. Sanitary Inspectors	3,863 61			
f. Medical Inspector	1,500 00			
g. Bacteriologist	1,080 00			
30. Other Expenses				
Bacteriological and Disinfecting Apparatus	601 80			
Burying Animals	172 02			
Rabies	77 50			
Public Sanitaries	20 00			
Transportation and Burials	42 65			
Modified Milk	1,264 76			
Sanitation.				
31. General Administration				
32. House Connections				
33. Sewer Construction		49,505 74		
34. Sewer Operation and Maintenance	19,714 40			
35. Metropolitan Sewer Ass't				
a. Maintenance	37,135 71			
b. State Sinking Fund Requirement	13,898 89			
c. Interest	48,734 35			
36. Refuse and Garbage Disposal	80,339 51	16,098 75		
37. Other Expenses				
38. Total for Health and Sanitation	$263,951 91	$86,382 29		$350,334 20

RECEIPTS CLASSIFIED BY SOURCES.

SOURCES OF RECEIPTS	Receipts from Revenue	Receipts on Capital Accounts	Receipts on Temporary Accounts	Total Receipts
4d. Highways and Bridges.				
50. Engineering Dept.	$2 25			
51. Street Repairing	358 67			
52. Street Construction				
53. Street Cleaning				
54. Street Lighting				
55. Street Sprinkling				
a. Water	295 33			
b. Oil				
56. Sidewalks and Curbing	437 60			
57. Drains and Culverts				
58. Abolition of Grade Crossings				
59. Bridges	1 50			
60. State Highway				
61. Moth Extermination	1,050 70			
62. Miscellaneous				
Rent of Land for Sign	30 00			
Permit Fees	36 50			
Materials	740 35			
63. Total from Highways and Bridges	$2,952 90			$2,952 90
4e. Charities.				
64. Almshouse Receipts				
a. Sale of Produce	$3,488 40			
b. Board	599 42			
c. Miscellaneous	67 75			
65. Reimbursements				
a. From Individuals	20 68			
b. From Other Cities and Towns	1,782 58			
c. From the State	1,258 60			
d. From Other Sources				
66. Hospital Receipts	446 35			
67. Income from Trust Funds				
a. For General Charity Purposes				
b. For Specific Charity Purposes				
68. Miscellaneous				
69. Total from Charities	$7,663 78			$7,663 78

PAYMENTS CLASSIFIED BY OBJECTS.

OBJECTS OF PAYMENTS	Payments on Account of Current Expenses	Payments on Capital Accounts	Payments on Temporary Accounts	Total Payments
4d. Highways and Bridges.				
39. General Administration	$9,671 99			
40. Engineering Department	9,721 85			
41. Street Repairing	69,211 95			
42. Street Construction		$36,209 67		
43. Street Paving (repairs)	2,499 76			
44. Street Paving (new construction)		50,140 78		
45. Street Cleaning	36,936 71			
46. Street Lighting	80,959 90			
47. Street Sprinkling				
a. Water	34,213 60			
b. Oil	766 87			
48. Sidewalks and Curbing (repairs)	4,999 81			
49. Sidewalks and Curbing (new construction)		20,335 27		
50. Drains and Culverts				
51. Snow Removal	5,062 48			
52. Abolition of Grade Crossings				
53. Maintenance and Repairs on Bridges	22,793 77			
54. New Bridges		60,760 63		
55. Repairs on State Highways				
56. State Highway Construction				
57. Tree Warden and Care of Trees	4,499 94			
58. Moth Extermination	7,999 17			
59. Other Expenses				
Steam Roller		2,900 00		
60. Total for Highways and Bridges	$289,337 80	$170,346 35		$459,684 15
4e. Charities.				
61. General Administration	$6,333 03			
62. Almshouse	25,384 91			
63. Aid Rendered to Poor of Other Cities or Towns	2,504 63			
64. Out-door Poor in City	6,221 81			
65. Out-door Poor Outside City				
a. At Mass. School for the Feeble-Minded	4,621 85			
b. At Other Institutions and Hospitals	2,370 70			
c. Relief Given by Another City or Town	5,497 78			
d. Care of State Minor Wards	129 24			
66. Hospitals				
a. Payments from App'ns for Hospital Purposes or Maintenance	1,637 33			
b. Contributions Made Direct to Private or Quasi-Public Hospitals				
67. Expenditures for Various Purposes of Income from Specific Trust Funds				
68. Other Expenses				
Services of Attendants in Transportation	114 00			
69. Total for Charities	$54,815 28			$54,815 28

RECEIPTS CLASSIFIED BY SOURCES.

SOURCES OF RECEIPTS	Receipts from Revenue	Receipts on Capital Accounts	Receipts on Temporary Accounts	Total Receipts
4f. Education.				
70. From State				
a. Mass. School Fund				
b. Aid to High Schools				
c. High School Tuition				
d. Superintendent				
e. Salaries, Account of Teachers				
f. Tuition and Transportation of State Wards				
71. From Other Sources				
a. Tuition	$8,107 50			
b. Sale of Text Books and Supplies	743 89			
c. Income from Trust Funds				
For General School Purposes				
For Specific School Purposes				
d. Miscellaneous				
Refund of Salary	198 51			
Old Iron	118 28			
72. Total from Education	$9,168 18			$9,168 18
4g. Libraries and Reading Rooms.				
73. Fines and Rentals of Books	$938 37			
74. Sale of Catalogues and Books				
75. Income from Trust Funds				
a. For General Library Purposes				
b. For Specific Library Purposes				
76. Miscellaneous				
Paper Stock	5 41			
77. Total from Libraries and Reading Rooms	$943 78			$943 78

PAYMENTS CLASSIFIED BY OBJECTS.

OBJECTS OF PAYMENTS	Payments on Account of Current Expenses	Payments on Capital Accounts	Payments on Temporary Accounts	Total Payments
4f. Education.				
70. General Administration				
a. School Committee	$1,356 10			
b. Supt.'s and Asst. Supt.'s Salaries	4,283 00			
c. Office Expenses	5,700 04			
d. Truant Officers (services and expenses)	3,650 77			
71. Teachers' Salaries				
a. High Schools	52,828 74			
b. Elementary Day Schools	233,661 41			
c. Evening Schools	11,859 00			
d. Kindergartens	17,808 78			
e. Manual Training Schools	28,924 25			
f. Vacation Schools	1,397 00			
72. Other Expenses				
a. Text Books and Supplies	26,229 41			
b. Janitors' Services	42,359 65			
c. Fuel and Light	31,714 11			
d. Transportation	324 00			
e. Tuition	165 00			
f. Board of Truants	2,570 37			
g. Furniture and Furnishings	6,191 93	$9,284 57		
h. Repairs on Buildings	28,859 72			
i. New Bldgs., Additions and Land		35,557 59		
j. Expenditures for Various Purposes of Income from Specific Trust Funds				
k. Miscellaneous	4,386 14			
73. Total for Education	$504,269 42	$44,842 16		$549,111 58
4g. Libraries and Reading Rooms.				
74. Supervision and Salaries	$12,265 98			
75. Books and Periodicals	7,761 93			
76. Janitors' Services	1,958 50			
77. Fuel and Light	1,320 95			
78. New Buildings, Additions and Land				
79. Expenditures for Various Purposes of Income from Specific Trust Funds				
80. Other Expenses	4,890 86			
81. Total for Libraries and Reading Rooms	$28,198 22			$28,198 22

RECEIPTS CLASSIFIED BY SOURCES.

SOURCES OF RECEIPTS	Receipts from Revenue	Receipts on Capital Accounts	Receipts on Temporary Accounts	Total Receipts
4h. Recreation.				
78. Parks, Gardens, etc.				
79. Playgrounds	$366 37			
80. Bath Houses	1,705 21			
81. Gymnasiums				
82. Miscellaneous				
Sale of Boat House		$1,000 00		
Rents	2,187 60			
Rebate on Insurance	32 40			
Horse	129 72			
Labor and Materials	27 13			
83. Total from Recreation	$4,448 43	$1,000 00		$5,448 43
4i. Soldiers' Benefits.				
84. State Aid	$14,984 00			
85. Military Aid	454 00			
86. Soldiers' Burials	648 00			
87. Soldiers' Relief	124 00			
88. All Others				
Board	327 00			
Money Not Called for	461 00			
89. Total from Soldiers' Benefits	$16,998 00			$16,998 00

PAYMENTS CLASSIFIED BY OBJECTS.

OBJECTS OF PAYMENTS	Payments on Account of Current Expenses	Payments on Capital Accounts	Payments on Temporary Accounts	Total Payments
4h. Recreation.				
82. Parks, Gardens, etc.				
a. Supervision	$1,500 00			
b. Labor	6,969 07			
c. Improvements and Additions		$43,395 08		
d. Metropolitan Park Assessment				
Maintenance	27,030 02			
State S. F. Requirement	7,631 97			
Interest	21,418 92			
e. Other Expenses	4,960 39			
f. Clerk and Office Expenses	1,138 23			
83. Playgrounds	6,937 39			
84. Bath Houses				
a. Supervision	1,239 10			
b. Labor	82 00			
c. Other Expenses	874 87			
85. Gymnasiums				
86. Celebrations and Entertainments				
a. Memorial Day	1,100 00			
b. Fourth of July	1,397 03			
c. Labor Day	299 93			
d. Band Concerts				
e. All Others				
Ringing Bells	36 00			
87. Total for Recreation	$82,614 92	$43,395 08		$126,010 00
4i. Soldiers' Benefits.				
88. Expense of Administration	$641 80			
89. State Aid	14,276 00			
90. Military Aid	898 00			
91. Soldiers' Burials	1,015 00			
92. Soldiers' Relief	14,845 40			
93. All Others				
94. Total for Soldiers' Benefits	$31,676 20			$31,676 20

RECEIPTS CLASSIFIED BY SOURCES.

SOURCES OF RECEIPTS	Receipts from Revenue	Receipts on Capital Accounts	Receipts on Temporary Accounts	Total Receipts
4j. Unclassified.				
90. Reimbursements on Bounties				
91. Reimbursements on Loss by Defalcation				
92. Receipts Not Recorded Under Previous Classification				
Reimbursement from State on Account of State Armory		$24,645 35		
Storage of Boat Houses	$50 00			
93. Total for Unclassified	$50 00	$24,645 35		$24,695 35
5. INTEREST.				
94. On Deposits	$5,043 86			
95. On Taxes	11,464 32			
96. On Special Assessments	136 94			
97. Accrued Interest	1,186 48			
98. Miscellaneous Interest				
99. Total from Interest	$17,831 60			$17,831 60
6. CEMETERIES.				
100. Care of Lots	$2,530 61			
101. Sale of Lots and Graves	6,586 50			
102. Interments, Foundations, etc.	4,819 66			
103. Income from Perpetual Care Funds	2,884 93			
104. Income from Other Trust Funds				
105. Miscellaneous				
Repairs	255 36			
Rent	84 00			
Chapel	36 00			
Sundries	283 50			
106. Total from Cemeteries	$17,480 56			$17,480 56

PAYMENTS CLASSIFIED BY OBJECTS.

OBJECTS OF PAYMENTS	Payments on Account of Current Expenses	Payments on Capital Accounts	Payments on Temporary Accounts	Total Payments
4j. Unclassified.				
95. Payments on Bounties				
96. Damages, Settlements and Judgments	$2,547 17			
97. Loss by Defalcation				
98. Payments Not Recorded Under Previous Classifications				
99. Total for Unclassified	$2,547 17			$2,547 17
5. INTEREST.				
100. On Loans in Anticipation of Taxes	$9,175 71			
101. On Other Temporary Loans				
102. On Perpetual Care Funds Borrowed or Used				
103. On Other Trust Funds Borrowed or Used	1,500 00			
104. On Bonds or Notes				
a. Highway	113,805 00			
b. School	36,575 75			
c. Sewer	35,285 00			
d. Park	57,260 00			
e. City	9,885 75			
f. Building	14,490 00			
g. Other	2,465 00			
105. On Municipal Industry Loans				
a. Electric Light				
From Taxation				
From Earnings				
b. Gas				
From Taxation				
From Earnings				
c. Water				
From Taxation				
From Earnings	148,387 75			
d. Other				
From Taxation				
From Earnings				
106. State Assessment for Interest on Account of Grade Crossings	820 00			
107. State Assessment for Interest on Account of Armory Loan	1,343 13			
108. Total for Interest	$430,993 09			$430,993 09
6. CEMETERIES.				
109. General Supervision	$2,000 03			
110. Labor	12,115 87			
111. Improvements and Additions		$499 02		
112. Expenditures of Income from Perpetual Care Funds	2,884 93			
113. Expenditures of Income from Other Trust Funds				
114. Other Expenses	1,424 25			
115. Total for Cemeteries	$18,425 08	$499 02		$18,924 10

RECEIPTS CLASSIFIED BY SOURCES.

SOURCES OF RECEIPTS	Receipts from Revenue	Receipts on Capital Accounts	Receipts on Temporary Accounts	Total Receipts
7. MUNICIPAL INDUSTRIES.				
107. Electric Light Plant				
a. Income from Light and Power				
b. Miscellaneous				
108. Total from Electric Light Plant				
109. Gas Works				
a. Income from Gas Sold				
b. Miscellaneous				
110. Total from Gas Works				
111. Water Works				
a. Income from Sale of Water	$366,403 48			
b. Miscellaneous	6,568 12	1,088 40		
c. Reimbursement from Chas. River Basin Com. on Account of Broad Canal Conduits		4,500 00		
112. Total from Water Works	$372,971 60	$5,588 40		
113. Miscellaneous				
a. Markets				
b. Public Scales	$62 82			
c. Docks and Wharves				
d. Ferries				
e. Herring and Alewife				
f. All Others				
114. Total from Miscellaneous	$62 82			
115. Total from Municipal Industries	$373,034 42	$5,588 40		$378,622 82

PAYMENTS CLASSIFIED BY OBJECTS.

OBJECTS OF PAYMENTS	Payments on Account of Current Expenses	Payments on Capital Accounts	Payments on Temporary Accounts	Total Payments
7. **MUNICIPAL INDUSTRIES.**				
116. Electric Light Plant				
a. New Construction				
b. Maintenance				
c. Operation				
d. Other Expenses (not including sinking fund payments, bonds and notes and interest on loans paid from earnings)				
117. Total for Electric Light Plant				
118. Gas Works				
a. New Construction				
b. Maintenance				
c. Operation				
d. Other Expenses (not including sinking fund payments, bonds and notes and interest on loans paid from earnings)				
119. Total for Gas Works				
120. Water Works				
a. New Construction		$45,334 54		
b. Maintenance of Local Plant	$88,664 39			
c. Operation				
d. Metropolitan Water Asst. Maintenance				
State S. F. Requirement				
Interest				
e. Other Expenses (not including sinking fund payments, bonds and notes and interest on loans paid from earnings)				
Abatements and Refunds	4,381 11			
121. Total for Water Works	$93,045 50	$45,334 54		
122. Miscellaneous				
a. Markets				
b. Public Scales	$3 74			
c. Docks and Wharves				
d. Ferries				
e. Herring and Alewife				
f. All Others				
123. Total for Miscellaneous	$3 74			
124. Total for Municipal Industries	$93,049 24	$45,334 54		$138,383 78

RECEIPTS CLASSIFIED BY SOURCES.

SOURCES OF RECEIPTS	Receipts from Revenue	Receipts from Loans and Bonds and Sinking Fund Commissioners	Receipts on Temporary Accounts	Total Receipts
8. MUNICIPAL INDEBTEDNESS.				
116. Loans in Anticipation of Taxes		$495,000 00		
117. Other Temporary Loans				
118. Perpetual Care Funds Borrowed or Used				
119. Other Trust Funds Borrowed or Used				
120. Sale of Bonds or Notes				
a. Highway and Bridges		144,000 00		
b. School		40,000 00		
c. Sewer		42,000 00		
d. Electric Light				
e. Gas				
f. Water		37,000 00		
g. Miscellaneous				
Hospital		20,000 00		
Park		42,000 00		
City, Acts of 1908		400,000 00		
121. Premiums on Bonds				
a. Highway and Bridges	$7,177 30			
b. School	438 80			
c. Sewer	2,492 40			
d. Electric Light				
e. Gas				
f. Water	2,347 80			
g. Miscellaneous	18,264 60			
122. Total from Municipal Indebtedness	$30,720 90	$1,220,000 00		$1,250,720 90
9. SINKING FUNDS.				
123. From Commissioners to Meet Loans on Account of				
a. Highway				
b. School				
c. Sewer				
d. Electric Light				
e. Gas				
f. Water		$71,000 00		
g. Miscellaneous		4,900 00		
124. Total from Sinking Funds		$75,900 00		$75,900 00
10. TRUST FUNDS AND BEQUESTS.				
125. Private Trust Funds				
126. Perpetual Care Funds			$3,983 92	
127. Other Public Trust Funds				
128. Income from Misc. Trust Funds				
129. Total from Trust Funds and Bequests			$3,983 92	$3,983 92
Total Receipts	$2,956,596 69	$1,343,849 09	$3,983 92	$4,304,429 70
Balance on Hand, Beginning of Year				112,871 97
GRAND TOTAL				

PAYMENTS CLASSIFIED BY OBJECTS.

OBJECTS OF PAYMENTS	Payments on Account of Current Expenses	Payments on Loans and Bonds	Payments on Temporary Accounts	Total Payments
8. MUNICIPAL INDEBTEDNESS.				
125. Loans in Anticipation of Taxes		$525,000 00		
126. Other Temporary Loans		400,000 00		
127. Bonds or Notes				
a. Highway, from Sinking Fund				
b. Highway, from Taxation				
c. School, from Sinking Fund				
d. School, from Taxation				
e. Sewer, from Sinking Fund				
f. Sewer, from Taxation				
g. Elec. Light from Sink. Fund				
h. Elec. Light, from Taxation				
i. Elec. Light, from Earnings				
j. Gas, from Sinking Fund				
k. Gas, from Taxation				
l. Gas, from Earnings				
m. Water, from Sinking Fund		71,000 00		
n. Water, from Taxation				
o. Water, from Earnings	$12,500 00			
p. All Other, from Sink. Fund		4,900 00		
q. All Other, from Taxation				
128. Total for Municipal Indebtedness	$12,500 00	$1,000,900 00		$1,013,400 00
9. SINKING FUNDS.				
129. Paid Commissioners				
a. From Taxation	$182,401 37			
b. From Premiums on Bonds				
c. From Earnings of Municipal Industries				
Electric Light Plant				
Gas Works				
Water Works	$122,538 00			
Other				
d. From Miscellaneous General Accounts				
130. Total for Sinking Funds	$304,939 37			$304,939 37
10. TRUST FUNDS AND BEQUESTS.				
131. Private Trust Funds Returned				
132. Perpetual Care Funds Invested			$4,156 42	
133. Other Public Trust Funds Invested				
134. Income Invested				
135. Expenditures on Income from Miscellaneous Trust Funds				
136. Total for Trust Funds and Bequests			$4,156 42	$4,156 42
Total Payments	$2,899,974 82	$1,393,124 44	$4,156 42	$4,297,255 68
Balance on Hand, End of Year				$120,045 99
GRAND TOTAL				$4,417,301 67

SCHEDULE A

APPROPRIATIONS, RECEIPTS AND PAYMENTS

Taxes.
Licenses.
Special Assessments.
Departmental.
- General Government.
- Protection of Life and Property.
- Health and Sanitation.
- Highways and Bridges.
- Charities.
- Education.
- Libraries and Reading Rooms.
- Recreation.
- Soldiers' Benefits.
- Unclassified.

Interest.
Cemeteries.
Municipal Industries.
Municipal Indebtedness.
Sinking Funds.

ABATEMENTS—TAXES.

EXPENDED.

For abatements, as per Assessors' certificates:—			
Taxes of 1908:—			
Real estate	$28,602 33		
Personal	11,274 11		
Poll	680 00		
		$40,556 44	
Taxes of 1907:—			
Real estate	$4,205 56		
Personal	788 98		
Poll	48 00		
		5,042 54	
Taxes of 1906:—			
Real estate	$124 62		
Personal	6 80		
Poll	2 00		
		133 42	
Taxes of 1904:—			
Personal		1 79	
Taxes of 1903:—			
Personal		35 49	
Rebate of excess of taxes of 1907 over taxes of 1896, as per agreement:—			
Cambridgeport Savings Bank	$501 81		
Benjamin F. Brown	167 23		
		669 04	
Rebate of excess of taxes of 1908 over taxes of 1896, as per agreement:—			
Elmer H. Bright, trustee	$996 82		
Cambridgeport Savings Bank	562 00		
Geo. G. Crocker *et al.*, trs.	2,930 42		
Heirs of Benjamin Tilton and Geo. G. Crocker *et al.*, trs.	642 63		
Etta F. and Marion A. Kendall	585 14		
		5,717 01	
Release of tax titles		1,077 47	
Total			$53,233 20

LICENSE REFUNDS.

EXPENDED.

For refunds on minors' licenses issued by:—			
Police Department		$40 40	
School Department		45 00	
Amount due state on account of liquor licenses		13 00	
Total			$98 40

SPECIAL ASSESSMENT ABATEMENTS.

EXPENDED.

For abatements, as per Assessors' certificates on—		
Street Watering Assessment of 1908	$179 58	
Street Watering Assessment of 1907	91 89	
Moth Extermination Assessment of 1908	9 59	
Total		$281 06

GENERAL GOVERNMENT.

CITY COUNCIL EXPENSES.

Appropriation brought forward			$2,915 00
Annual appropriation			5,000 00
			$7,915 00
EXPENDED.			
For salaries of:—			
Clerk of Council	$500 00		
Page	100 00		
		$600 00	
Calendars		280 50	
Car tickets		300 00	
City Documents:—			
Printing and binding	$1,692 66		
Special binding	64 75		
Half-tones, etc.	18 00		
		1,775 41	
City Government manuals		128 50	
Funeral expenses:—			
Floral offerings	$10 00		
Carriage hire	10 00		
Special car	4 00		
		24 00	
Printing budgets and financial reports		319 00	
Printing building laws		213 49	
Ringing bells on holidays		36 00	
Services, investigating financial condition of city:—			
Harvey S. Chase		700 00	
Expended by City Clerk:—			
Advertising	$74 50		
Books, legal documents, etc.	61 50		
Posting and serving notices	60 35		
Printing	191 16		
Recording documents	9 45		
Stationery (Postage and Stationery transfer $30.81)	60 31		
		457 27	
Expended by Committees:—			
Car fares	$6 00		
Amounts carried forward	$6.00	$4,834 17	$7,915 00

General Government—Continued.

CITY COUNCIL EXPENSES—Concluded.

Amounts brought forward . . .	$6 00	$4,834 17	$7,915 00
Carriage and automobile hire . .	283 20		
Refreshments	381 90		
		671 10	
Total, including $30.81 transfer . . .			5,505 27
Surplus of appropriation			$2,409 73
Transfer to Contingent Fund			2,400 00
Balance relinquished to general treasury . . .			$9 73

CLERK OF COMMITTEES' DEPARTMENT.

SALARIES.

Appropriation			$3,924 00
EXPENDED.			
For salaries of:—			
Clerk of Committees		$2,400 00	
Assistant		906 75	
Stenographer		624 15	
Total			3,930 90
Excess of expenditure over appropriation . . .			$6 90
Transfer from General Expenses			6 90

GENERAL EXPENSES.

Appropriation			$300 00
EXPENDED.			
For advertising		$15 00	
Binding		9 50	
Directories		14 00	
Revised Laws		4 25	
Stationery, printing and office supplies:—			
Postage and Stationery Account (transfer)	$93 82		
Sundry persons	65 02		
		158 84	
Subscription to newspaper . . .		2 50	
Telephone service		76 16	
Total, including $93.82 transfer . . .			280 25
Surplus of appropriation			$19 75
Transfer to Salaries			6 90
Balance relinquished to general treasury . . .			$12 85

General Government—Continued.

MAYOR'S DEPARTMENT.

SALARIES.

Appropriation		$5,480 00
EXPENDED.		
For salaries of:—		
Mayor Walter C. Wardwell	$3,500 00	
Clerk	1,209 00	
Stenographer	780 00	
Total		5,489 00
Excess of expenditure over appropriation		$9 00
Transfer from General Expenses		9 00

GENERAL EXPENSES.

Appropriation			$700 00
EXPENDED.			
For carriage and automobile hire		$245 90	
Car tickets		15 00	
Directories		10 00	
Expense of subway hearing		21 00	
Newspapers		15 30	
Stationery, printing and office supplies:—			
Postage and Stationery Account (transfer)	$94 42		
Sundry persons	83 57		
		177 99	
Telephone service		135 45	
Typewriter and repairs		66 90	
Sundries		1 85	
Total, including $94.42 transfer			689 39
Surplus of appropriation			$10 61
Transfer to Salaries			9 00
Balance relinquished to general treasury			$1 61

AUDITING DEPARTMENT.

SALARIES.

Appropriation		$4,030 00
EXPENDED.		
For salaries of:—		
City Auditor	$2,500 00	
Clerks	1,528 75	
Total		4,028 75
Surplus of appropriation relinquished to general treasury		$1 25

General Government—Continued.

AUDITING DEPARTMENT—Concluded.

GENERAL EXPENSES.

Appropriation			$270 00
EXPENDED.			
For binding classifications		$15 00	
Expenses to meeting of National Municipal League		35 30	
Premium on official bond		7 50	
Stationery, printing and office supplies:—			
Postage and Stationery Account (transfer)	$30 42		
Sundry Persons	130 75		
		161 17	
Subscriptions		10 00	
Telephone service		40 15	
Total, including $30.42 transfer			269 12
Surplus of appropriation relinquished to general treasury			$ 88

TREASURER'S AND COLLECTOR'S DEPARTMENT.

SALARIES.

Appropriation			$10,748 00
EXPENDED.			
For salaries of:—			
City Treasurer		$3,000 00	
Permanent clerks		7,195 38	
Temporary clerks		551 53	
Total			10,746 91
Surplus of appropriation relinquished to general treasury			$1 09

GENERAL EXPENSES.

Appropriation			$8,300 00
DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.			
Tax sale:—			
Advertising	$749 15		
Descriptions	465 50		
Deeds	454 00		
Posting	363 00		
Recording	33 60		
Release fees	44 20		
		$2,109 45	
Taxes—summonses		2,288 05	
Services of Treasurer in collection of water rates, Water Department		1,500 00	
Amounts carried forward		$5,897 50	$8,300 00

General Government—Continued.

TREASURER'S AND COLLECTOR'S DEPARTMENT—Concluded.

Amounts brought forward		$5,897 50	$8,300 00
Statements		9 00	
Tax lien account fees		7 87	
		$5,914 37	

EXPENDED.

For advertising tax sale		$661 28	
Adding machine repairs		30 97	
Addressograph supplies		199 13	
Bonds and coupons		137 50	
Carriage hire for paymaster		573 00	
Check protector		17 50	
Commission for collecting taxes		3,647 55	
Directories		14 00	
Premium on official bond		160 00	
Recording documents		64 85	
Stationery, printing, postage and office supplies:—			
Postage and Stationery Account (transfer)	$40 62		
Postmaster, Boston	1,251 30		
Sundry Persons	1,255 29		
		2,547 21	
Subscriptions		7 50	
Telephone service		138 24	
Sundries		5 00	
Total, including $40.62 transfer			$8,203 73
Surplus of appropriation relinquished to general treasury			$96 27

ASSESSORS' DEPARTMENT.

SALARIES.

Appropriation			$12,750 00

EXPENDED.

For salaries of:—			
Assessors		$6,000 00	
Assistant Assessors		1,750 00	
Permanent clerks		2,325 00	
Temporary clerks		2,498 50	
Total			12,573 50
Surplus of appropriation			$176 50
Transfer to General Expenses			175 00
Balance relinquished to general treasury			$1 50

General Government—Continued.

ASSESSORS' DEPARTMENT—Concluded.

GENERAL EXPENSES.

Appropriation			$1,500 00
EXPENDED.			
For advertising		$81 00	
Binding		3 00	
Car tickets		65 00	
Carriage repairs		21 20	
Directories		14 00	
Printing poll tax list		888 00	
Revised Laws		4 25	
Stationery, printing and office supplies:			
Postage and Stationery Account (transfer)	$74 91		
Sundry Persons	381 03		
		455 94	
Subscription		5 00	
Telephone service		94 31	
Use of horse and carriage		36 00	
Sundries		7 30	
Total, including $74.91 transfer			1,675 00
Excess of expenditure over appropriation			$175 00
Transfer from Salaries			175 00

ASSESSORS' PLANS.

Appropriation			$300 00
EXPENDED.			
For services of engineers and assistants		$298 46	
Total			298 46
Surplus of appropriation relinquished to general treasury			$1 54

SINKING FUND COMMISSIONERS.

Appropriation			$365 00
EXPENDED.			
For salaries of:—			
Treasurer of Sinking Funds	$300 00		
Clerk	25 00		
		$325 00	
Rent of safe deposit box		40 00	
Total			365 00

General Government—Continued.

CITY CLERK'S DEPARTMENT.

SALARIES.

Appropriation		$7,100 00
EXPENDED.		
For salaries of:—		
City Clerk	$3,300 00	
Assistant City Clerk	1,600 00	
Clerks and stenographers	2,041 51	
Total		6,941 51
Surplus of appropriation relinquished to general treasury		$158 49

GENERAL EXPENSES.

Appropriation		$2,000 00

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.

For cemetery deeds	$8 75
Certificates from record	173 60
Dog license fees	454 80
Liquor license fees	55 00
Married women's certificates	6 00
Mortgages, assignments, etc.	638 85
Witness fees	7 20
Fence viewer's decree	25
Auction permit	5 00
Telephone charge	65
	$1,348 20

EXPENDED.

For badges	$50 00	
Badges redeemed	34 25	
Binding	19 95	
Books	17 50	
Birth returns, sundry physicians	514 50	
Canvassing for births	348 00	
Car tickets	5 00	
Desk and chair	92 67	
Directories	10 00	
Electric fan	19 00	
Expressage	3 65	
Posting and serving notices	30 86	
Premium on official bonds	47 40	
Recording documents	16 60	
Amounts carried forward	$1,209 38	$2,000 00

General Government—Continued.

CITY CLERK'S DEPARTMENT—Concluded.

Amounts brought forward		$1,209 38	$2,000 00
Stationery, printing, postage and office supplies:—			
Postage and Stationery Account (transfer)	$183 96		
Sundry Persons	369 07		
		553 03	
Subscription		2 50	
Telephone service		150 24	
Verifying facts for record . . .		59 27	
Sundries		2 15	
Total, including $183.96 transfer			1,976 57
Surplus of appropriation relinquished to general treasury . .			$23 43

LAW DEPARTMENT.

SALARIES.

Appropriation	$4,124 00

EXPENDED.

For salaries of:—		
City Solicitor	$3,500 00	
Stenographer	624 00	
Total		4,124 00

GENERAL EXPENSES.

Appropriation	$1,000 00

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.

For legal advice and services of City Solicitor, Water Department . .	$1,000 00
Sale of old typewriter .	15 00
	$1,015 00

EXPENDED.

For automobile and carriage hire . .	$24 50	
Binding	11 70	
Car tickets	125 00	
Certified copies from record . .	6 00	
Filing papers	21 00	
Newspapers and periodicals . . .	10 80	
Office rent	250 00	
Photographic supplies	11 78	
Serving writs	10 15	
Services as witnesses	109 80	
Amounts carried forward	$580 73	$1,000 00

General Government—Continued.

LAW DEPARTMENT—Concluded.

Amounts brought forward		$580 73	$1,000 00
Stationery, printing and office supplies:—			
Postage and Stationery Account (transfer)	$55 75		
Sundry Persons	258 97		
		314 72	
Telephone service		83 25	
Sundries		21 30	
Total, including $55.75 transfer			$1,000 00

CITY MESSENGER'S DEPARTMENT.

SALARIES.

Appropriation			$2,024 00
EXPENDED.			
For salaries of:—			
City Messenger		$1,400 00	
Assistant		624 00	
Total			2,024 00

GENERAL EXPENSES.

Appropriation			$335 00
EXPENDED.			
For binding		$1 50	
Car tickets		45 00	
Expressage		23 85	
Rent of post-office box		6 00	
Stationery, printing and office supplies:—			
Postage and Stationery Account (transfer)	$126 29		
Sundry Persons	7 75		
		134 04	
Subscriptions		13 85	
Telephone service		110 76	
Total, including $126.29 transfer			335 00

ELECTION EXPENSES, CITY CLERK.

Appropriation			$11,000 00
EXPENDED.			
For salaries of:—			
Election officers and deputies . .	$5,840 00		
Precinct men	345 00		
Amounts carried forward	$6,185 00		$11,000 00

General Government—Continued.

ELECTION EXPENSES—Continued.

Amounts brought forward	$6,185 00		$11,000 00
Special clerks	42 00		
Bell-ringers	24 00		
Janitor	31 50		
		$6,282 50	
Clerical assistance		327 01	
Advertising		801 00	
Ballots		1,374 45	
Ballot boxes		250 00	
Barge, automobile and carriage hire .		292 90	
Binding		5 75	
Book truck		25 00	
Car tickets		5 00	
Caucus Laws		20 00	
Expressage and teaming . . .		55 20	
Hardware and supplies . . .		16 01	
Heating repairs in store room . .		6 45	
Installing and removing lights . .		72 50	
Labor		122 18	
Lighting at Cambridge Field Shelter .		11 52	
Lunches		81 92	
Mounting lists		14 50	
Posting and serving notices . .		65 25	
Preparing lists		60 00	
Printing		552 38	
Rent of hall for election returns . .		35 00	
Repairing ballot boxes . . .		30 62	
Signs and lettering		81 04	
Stationery, stamps, etc.:—			
Postage and Stationery Account (transfer)	$98 37		
Sundry Persons	188 15		
		286 52	
Telephone service		9 11	
Typewriter repairs		9 93	
Wallets		100 00	
Sundries		5 13	
Total, including $98.37 transfer			10,998 87
Surplus of appropriation relinquished to general treasury . .			$1 13

ELECTION EXPENSES, REGISTRARS OF VOTERS.

Appropriation			$4,400 00
EXPENDED.			
For salaries of registrars of voters and clerk of board		$2,100 00	
Clerical assistance		887 50	
Assistance at recount, sundry persons		158 91	
Advertising		109 75	
Binding and mounting lists . .		75 00	
Amounts carried forward		$3,331 16	$4,400 00

General Government—Continued.

ELECTION EXPENSES—Concluded.

Amounts brought forward	$3,331 16	$4,400 00
Directory	4 00	
Placing and removing list boards	62 50	
Stationery, printing and office supplies	93 59	
Telephone service	33 49	
Use of horse and buggy	9 00	
Voting lists	1,022 00	
Total		4,555 74
Excess of expenditure over appropriation		$155 74
Transfer from Contingent Fund		160 00
Balance relinquished to general treasury		$4 26

ELECTION EXPENSES, SUPERINTENDENT OF BUILDINGS

Appropriation		$3,200 00
EXPENDED.		
For new voting booth	$375 00	
Furniture and hardware for booths	93 87	
Heating and heating apparatus	55 03	
Lighting and lighting apparatus	96 30	
Janitor service and incidental expenses	488 94	
Operating elevator	5 00	
Painting booth	82 75	
Rental of halls and land	807 00	
Setting up and removing booths and platforms	1,158 61	
Teaming	370 00	
Total		3,532 50
Excess of expenditure over appropriation		$332 50
Transfer from Contingent Fund		350 00
Balance relinquished to general treasury		$17 50

MUNICIPAL BUILDINGS.

SALARIES OF JANITORS AND OTHERS.

Appropriation		$11,850 00
EXPENDED.		
For salaries of employees:—		
At City Hall:—		
Janitor	$1,196 00	
Assistant janitor	858 00	
Amounts carried forward	$2,054 00	$11,850 00

General Government—Continued.

MUNICIPAL BUILDINGS—Continued.

Amounts brought forward	$2,054 00		$11,850 00
Engineer	1,274 00		
Firemen	2,062 32		
Elevator-men	812 50		
Watchman	2 50		
Cleaners	1,286 50		
		$7,491 82	
At Brattle Square Building:—			
Janitor	$832 00		
Fireman	308 57		
Cleaner	364 00		
		1,504 57	
At Central Square Building:—			
Janitor	$843 60		
Firemen	240 00		
Cleaners	240 00		
		1,323 60	
At Police Station No. 3:—			
Janitor		728 00	
At Police Station No. 4:—			
Janitor		728 00	
Total			11,775 99
Surplus of appropriation relinquished to general treasury			$74 01

GENERAL EXPENSES.

Appropriation			$12,000 00

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.

For heating buildings:—			
Police Department	$890 00		
Fire Department	750 00		
Electrical Department	100 00		
	$1,740 00		

EXPENDED.

For boiler insurance		$40 00	
Dues, Gas Consumers' Association		24 00	
Fuel and weighing		4,247 23	
Lighting		1,642 95	
Laundering towels		137 49	
Teaming		9 00	
Repairs:—			
Advertising	$24 75		
Carpentry	748 33		
Elevator repairs	14 90		
Iron fence repairs	8 40		
Lumber for floors	95 10		
Amounts carried forward	$891 48	$6,100 67	$12,000 00

General Government—Continued.

MUNICIPAL BUILDINGS—Concluded.

Amounts brought forward	$891 48	$6,100 67	$12,000 00
Mason work	24 47		
Painting, glazing, etc.	231 71		
Painting and decorating City Hall:—			
James I. Wingate & Son	1,949 00		
Plans	300 00		
Plastering	30 85		
Plumbing	378 85		
Roof and gutter repairs	133 98		
Repairing and adjusting awnings	56 60		
Repairs to furniture and fixtures	148 33		
Repairs to heating apparatus	470 92		
Repairs to lighting apparatus, and electrical work	152 20		
Repairing slate floor	13 52		
Weather strips	17 50		
		4,799 41	
Supplies:—			
Ash cans	$7 00		
Brooms, brushes, dusters, etc.	82 55		
Clock repairs	29 65		
Electrical supplies	9 08		
Furniture, furnishings and fixtures	114 45		
Hardware, tools and miscellaneous	66 49		
Ice	78 61		
Oil, waste and boiler supplies	7 30		
Soap and soap powder	41 57		
Toilet paper	27 00		
Towels	10 90		
		474 60	
Total			11,374 68
Surplus of appropriation			$625 32
Transfer to Inspection of Buildings, Salaries		$375 00	
Transfer to Inspection of Buildings, General Expenses		250 00	
			625 00
Balance relinquished to general treasury			$ 32

ALTERATIONS, CITY BUILDING, FOURTH STREET.

Appropriation, transferred from Contingent Fund			$400 00
EXPENDED.			
For carpentry		$133 47	
Plumbing		256 68	
Total			390 15
Surplus of appropriation relinquished to general treasury			$9 85

General Government—Continued.

POSTAGE AND STATIONERY.

Appropriation	$1,700 00

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.

For stationery and supplies:—		
Assessors' Department	$89 69	
Auditing Department	34 02	
Board of Appeal	1 45	
Cemetery Department	57 61	
City Clerk's Department	169 11	
City Council	30 81	
City Messenger's Dept.	116 48	
Clerk of Committees' Department	96 17	
Election Expenses, City Clerk	65 20	
Election Expenses, Registrars of Voters	22 54	
Electrical Department	23 63	
Engineering Department	13 70	
Fire Department	16 87	
Health Department	92 66	
Inspector of Milk	5 87	
Law Department	46 21	
Mayor's Department	77 31	
Overseers of the Poor	91 00	
Park Department	31 57	
Police Department	39 47	
Public Library	111 24	
Sealer of Weights and Measures	7 60	
Sewer Department	15 14	
State Aid	22 36	
Street Department	82 46	
Supt. of Buildings	61 06	
Treasury Department	35 75	
Water Department	39 85	
	$1,496 83	

EXPENDED.

For postage	$900 00	
Stationery and office supplies	618 19	
Total		1,518 19
Surplus of appropriation		$181 81
Transfer to Contingent Fund		150 00
Balance relinquished to General Treasury		$31 81

General Government—Concluded.

CIVIL SERVICE LABOR REGISTRATION.

Appropriation		$350 00
EXPENDED.		
For salary of clerk	$300 00	
Binding	1 50	
Expressage	15	
Repairing cabinet	2 50	
Stationery	45 32	
Total		349 47
Surplus of appropriation relinquished to general treasury		$ 53

BOARD OF APPEAL.

Appropriation transferred from Contingent Fund			$100 00
EXPENDED.			
For services of clerk		$21 00	
Printing and stationery:—			
Postage and Stationery Account (transfer)	$1 45		
Sundry Persons	7 50		
		8 95	
Total, including $1.45 transfer			29 95
Balance relinquished to general treasury			$70 05

PROTECTION OF LIFE AND PROPERTY.

POLICE DEPARTMENT.

SALARIES.

Appropriation		$162,500 00
EXPENDED.		
For salaries of:—		
Chief of Police	$2,500 00	
Deputy Chief	125 00	
Chief Inspector	1,400 00	
Captains	4,200 00	
Lieutenants	11,435 54	
Sergeants	9,772 75	
Patrolmen	99,560 00	
Reserve officers	13,814 25	
Drivers	6,892 50	
Matrons	780 00	
Amounts carried forward	$150,480 04	$162,500 00

Protection of Life and Property—Continued.

POLICE DEPARTMENT—Continued.

Amounts brought forward		$150,480 04	$162,500 00
Pensions		6,737 82	
Allowance for sick leave		1,842 52	
Allowance by Board of Aldermen		426 91	
Total			159,487 29
Surplus of appropriation			$3,012 71
Transfers:—			
To General Expenses		$950 00	
To State Aid		1,700 00	
To Contingent Fund		350 00	
			3,000 00
Balance relinquished to general treasury			$12 71

GENERAL EXPENSES.

Appropriation	$7,200 00

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.

For fines:—			
Third District Court	$6,584 60		
House of Correction	935 00		
		$7,519 60	
Cloth		826 12	
Collars		13 30	
		$8,359 02	

EXPENDED.

For general administration:—			
Analyses of salt	$12 00		
Bicycle repairs	108 50		
Car tickets	150 00		
Directories	24 00		
Dues, International Chiefs' Ass'n	5 00		
Expressage	2 75		
Photographs and photographic supplies	18 93		
Stationery, printing and office supplies (including $43.77 transfer)	502 18		
Subscriptions	5 00		
Telegrams	4 72		
Telephone service	404 35		
Traveling expenses and sundries	120 31		
		$1,357 74	
Hay, grain and straw		724 49	
Fuel and light:—			
Heating buildings, Municipal Building Dept. (transfer)	890 00		
Amounts carried forward	$890 00	$2,082 23	$7,200 00

Protection of Life and Property—Continued.

POLICE DEPARTMENT—Concluded.

Amounts brought forward	$890 00	$2,082 23	$7,200 00
Lighting buildings	1,023 16		
		1,913 16	
Station houses and lockups:—			
Furniture, furnishings and repairs	$175 58		
Food for prisoners	42 73		
Cleaning	313 50		
Disinfectant and insecticide	38 45		
Flag and repairs	10 50		
Ice	44 50		
Laundry work and towel supply	50 47		
Toilet paper	6 25		
Miscellaneous supplies	120 33		
		802 31	
Repairs to station houses:—			
Carpentry	$101 26		
Electrical work	15 88		
Lumber	24 80		
Miscellaneous repairs	4 09		
		146 03	
Uniforms:—			
Cloth, buttons and trimmings	$897 89		
Collars	15 00		
Clubs	9 00		
Numbers, belts and badges	39 25		
Firearms and repairs	120 32		
		1,081 46	
Ambulance and wagon expenses (except hay and grain):—			
Two new combination wagons	$960 00		
Harness and repairs, and horse clothing	51 70		
Horseshoeing and clipping	187 75		
Use of horses and wagon	18 00		
Wagon and ambulance repairs	401 45		
		1,618 90	
Miscellaneous expenses:—			
Damage to building	12 00		
Damage to clothing	6 50		
Linen tester	3 00		
Medical and surgical supplies	5 50		
Services of physicians	17 00		
Removing flag from staff	11 50		
Refund of overcharge on cloth	2 35		
		57 85	
Total, including $933.77 transfer			7,701 94
Excess of expenditure over appropriation			$501 94
Transfer from Salaries		$950 00	
Transfer to Contingent Fund		400 00	
			550 00
Balance relinquished to general treasury			$48 06

Protection of Life and Property—Continued.

FIRE DEPARTMENT.

SALARIES.

Appropriation		$108,500 00

EXPENDED.

For salaries of:—			
Chief Engineer	$2,000 00		
Assistant Chief Engineer	1,500 00		
Permanent men	86,440 64		
Call men	13,067 80		
Pensioners	4,211 00		
Total		107,219 44	
Surplus of appropriation			$1,280 56
Transfers:—			
To General Expenses	$1,000 00		
To Contingent Fund	200 00		
		1,200 00	
Balance relinquished to general treasury			$80 56

GENERAL EXPENSES.

Appropriation			$21,000 00

EXPENDED.

For general administration:—			
Expenses to convention	$52 50		
Stationery, printing, etc. (including $16.87 transfer)	60 17		
Subscription	3 00		
Telephone service	59 97		
		$175 64	
Hay, grain and straw, etc.		6,329 98	
Horses and horse hire		1,237 38	
Harnesses, horseshoeing and clipping:—			
Harness and repairs, and horse clothing	$340 71		
Horseshoeing	1,390 41		
Horse clipping	12 00		
		1,743 12	
Fuel and light:—			
Heating buildings, Municipal Building Dept. (transfer)	$750 00		
Coal and wood	2,347 24		
Shavings	57 60		
Torches	15 00		
Lighting buildings	839 91		
Dues, Gas Consumers' Ass'n	9 00		
		4,018 75	
Amounts carried forward		$13,504 87	$21,000 00

Protection of Life and Property—Continued.

FIRE DEPARTMENT—Concluded.

Amounts brought forward		$13,504 87	$21,000 00
Fire Houses:—			
Furniture and furnishings . .	$491 92		
Bandages and medical supplies . .	4 15		
Brooms, brushes, dusters, etc. . .	379 23		
Cleaning trees, Park Dept. (transfer)	1 25		
Disinfectant and insecticide . .	62 50		
Hardware, tools, etc.	343 03		
Ice	62 49		
Laundry work	226 31		
Soap and powder	82 07		
Water cooler	4 50		
		1,657 45	
Equipment and repairs:—			
Anvil	$16 20		
Apparatus, renewals and repairs .	5,671 54		
Chemicals	28 23		
Electrical supplies	8 78		
Expressage	3 70		
Inclinator	5 00		
Motor and supplies	66 75		
Soda	42 00		
Oil, polish, etc.	152 25		
		5,994 45	
Repairs to buildings:—			
Carpentry	$281 45		
Iron grain shutes	31 50		
Lumber	147 07		
Mason work	169 35		
Plumbing and drain repairs . .	220 39		
Repairs to heating apparatus . .	54 43		
Repairing bell deck	89 04		
Roof repairs	177 15		
Ventilator	22 45		
		1,192 83	
Miscellaneous expenses:—			
Badges, buttons, insignias, etc. .		142 36	
Total, including $768.12 transfer			22,491 96
Excess of expenditure over appropriation			$1,491 96
Transfers:—			
From Salaries		$1,000 00	
From Contingent Fund . . .		600 00	
			1,600 00
Balance relinquished to general treasury			$108 04

Protection of Life and Property—Continued.

FIRE AND POLICE TELEGRAPH AND INSPECTION OF WIRES.

SALARIES.

Appropriation	$9,000 00
Transfer from Street Lighting	500 00
Emergency Fund, transferred from Contingent Fund	1,750 00
	$11,250 00

EXPENDED.

For salaries of:—		
Inspector of Wires	$1,000 00	
Instrument man	1,196 00	
Line-men	1,974 00	
Ground-men	777 33	
Operators	2,161 50	
Battery-man	672 16	
Trouble-men	3,130 00	
Clerk	312 00	
Total		11,222 99
Balance relinquished to general treasury		$27 01

GENERAL EXPENSES.

Appropriation	$4,000 00

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.

For installing tapper	$27 70

EXPENDED.

For apparatus and repairs, and electrical supplies	$1,702 33	
Car tickets	135 00	
Carpentry	51 97	
Expressage and freight	32 64	
Furniture repairs	13 00	
Hardware, tools and supplies	154 38	
Harness and repairs	31 25	
Heating central station, Municipal Building Dept. (transfer)	100 00	
Horse	285 00	
Horse board	655 00	
Horseshoeing	86 00	
Laboratory coat	1 10	
Laundry work	13 97	
Lighting	34 80	
Lumber	22 10	
Paint, turpentine, etc.	13 82	
Amounts carried forward	$3,332 36	$4,000 00

Protection of Life and Property—Continued.

FIRE AND POLICE TELEGRAPH AND INSPECTION OF WIRES—Concluded.

Amounts brought forward		$3,332 36	$4,000 00
Stationery, printing and office supplies:—			
Postage and Stationery Account (transfer)	$23 63		
Sundry Persons	71 94		
		95 57	
Steam whistle repairs		12 75	
Steam for whistle		200 00	
Subscription		2 00	
Telephone service		151 20	
Towels, sheets, etc.		12 11	
Traveling expenses		68 00	
Use of horse		14 00	
Wagon and carriage repairs . . .		107 05	
Total, including $123.63 transfer			3,995 04
Surplus of appropriation relinquished to general treasury . .			$4 96

POLICE SIGNAL BOXES.

Appropriation		$900 00
EXPENDED.		
For six police boxes	$900 00	
Total		900 00

MILITIA AND ARMORIES.

RIFLE RANGE.

Appropriation brought forward		$324 75
Annual appropriation		750 00
		$1,074 75
EXPENDED.		
For use of targets by military companies	$1,100 39	
Total		1,100 39
Excess of expenditure over appropriation		$25 64
Transfer from Contingent Fund		25 64

CAR TICKETS.

Appropriation		$500 00
EXPENDED.		
For car tickets to and from Rifle Range	$500 00	
Total		500 00

Protection of Life and Property—Continued.

INSPECTION OF BUILDINGS.

SALARIES.

Appropriation			$5,000 00
EXPENDED.			
For salaries of:—			
Superintendent of Buildings (one half salary)		$1,000 00	
Inspectors		2,418 00	
Inspector of Plumbing		1,209 00	
Clerk		745 00	
Watchman		450 00	
Total			5,822 00
Excess of expenditure over appropriation			$822 00
Transfers:—			
From Contingent Fund		$450 00	
From Municipal Buildings, General Expenses		375 00	
			825 00
Balance relinquished to general treasury			$3 00

GENERAL EXPENSES.

Appropriation			$700 00
EXPENDED.			
For binding "Building Laws"		$45 00	
Care and repair of tower clocks		122 75	
Car tickets		210 00	
Carriage repairs		88 00	
Electrical supplies		4 30	
Half-tone		5 00	
Harness and repairs		8 88	
Horse board		150 00	
Horseshoeing		28 00	
Stationery, printing and office supplies:—			
Postage and Stationery Account (transfer)	$65 64		
Sundry Persons	194 86		
		260 50	
Telephone service		119 04	
Sundries		3 70	
Total, including $65.64 transfer			1,045 17
Excess of expenditure over appropriation			$345 17
Transfers:—			
From Municipal Buildings, General expenses		$250 00	
Plumbers' Examiners' Dept.		95 67	
			345 67
Balance relinquished to general treasury			$ 50

Protection of Life and Property—Continued.

EXAMINERS OF PLUMBERS.

Appropriation		$150 00
EXPENDED.		
For examination of applicants for plumbers' licenses	$54 33	
Total		54 33
Surplus of appropriation transferred to Inspection of Buildings		$95 67

SEALER OF WEIGHTS AND MEASURES.

SALARIES.

Appropriation		$2,300 00
EXPENDED.		
For salaries of:—		
Sealer of Weights and Measures	$1,200 00	
Deputy	900 00	
Assistants	200 00	
Total		2,300 00

GENERAL EXPENSES.

Appropriation			$500 00
DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.			
For old wagon	$20 00		
Fees for sealing	725 08		
Weighers' fees	62 82		
	$807 90		
EXPENDED.			
For acid		$40 00	
Blanket		7 50	
Equipment		37 91	
Expressage		2 63	
Harness and wagon repairs		31 80	
Horse board, shoeing and clipping:—			
Street Dept. (transfer)	$268 68		
Sundry Persons	1 00		
		269 68	
Office expenses:—			
Advertising	$10 00		
Car tickets	40 00		
Stationery and printing (including $7.60 transfer)	31 01		
Telephone service	19 55		
		100 56	
Repairs on city scales		3 74	
Total, including $276.28 transfer			493 82
Surplus of appropriation relinquished to general treasury			$6 18

Protection of Life and Property—Concluded.

STANDARD BALANCE.

Appropriation brought over		$150 00
EXPENDED.		
For standard balance	$150 00	
Total		150 00

HEALTH AND SANITATION.

HEALTH DEPARTMENT.

SALARIES.

Appropriation		$13,800 00
EXPENDED.		
For salaries of:—		
Medical inspector	$1,500 00	
Physician to Board of Health	1,500 00	
Bacteriologist	1,080 00	
Sanitary inspectors	3,863 61	
Inspector of provisions	1,209 00	
School inspectors	1,699 99	
School nurse	906 76	
Clerk	1,209 00	
Secretary	803 85	
Total		13,772 21
Surplus of appropriation relinquished to general treasury		$27 79

GENERAL EXPENSES.

Appropriation			$18,000 00
DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.			
For care of persons sick with contagious disease:—			
Com. of Mass.	$902 88		
Other cities and towns	937 48		
Sundry individuals	2,119 44		
		$3,959 80	
Refunds of overpayment		13 65	
		$3,973 45	
EXPENDED.			
For general administration:—			
Advertising		$10 00	
Binding		5 00	
Amounts carried forward		$15 00	$18,000 00

Health and Sanitation—Continued.

HEALTH DEPARTMENT—Continued.

Amounts brought forward			$18,000 00
Carriage	$15 00		
Car tickets	172 50		
Clerical services	550 00		
Costs of court in Wyeth case	17 50		
Expressage	93 00		
Directory	10 99		
Electrical work, Electrical Dept. (transfer)	4 00		
Harness and repairs	4 20		
Horse board and storage of ambulance	15 25		
Horseshoeing	360 00		
Ice	68 00		
Justice of the Peace warrant	21 30		
Laundry work	7 00		
Painting sign	7 00		
Services of interpreter	4 57		
Stationery, printing and office supplies:—	5 00		
Postage and stationery account (transfer)	68 01		
Sundry Persons	528 27		
Telephone service	169 78		
Use of horse and wagon	80 00		
Wagon and ambulance repairs	55 41		
Sundries	7 59		
		$2,264 37	
Bacteriological and disinfecting apparatus and supplies		601 80	
Board and treatment of tuberculosis patients at private institutions, etc.		4,585 69	
Board and treatment of other contagious diseases:—			
Cambridge Hospital	$10,666 02		
Mass. Homœopathic Hospital	2,786 64		
City of Boston	3,370 02		
City of Somerville	2,300 29		
Other institutions and cities	470 75		
		19,593 72	
Burning and burying dead animals		172 02	
Repairs to public sanitaries		20 00	
Transportation of children to Pasteur Institute		77 50	
Transportation of tuberculosis patient		28 65	
Transportation of body and burial		14 00	
Diphtheria Hospital:—			
Salaries of:—			
Physician	$1,200 00		
Matrons	765 03		
Nurses	1,723 16		
House-man	728 00		
Amounts carried forward	$4,416 19	$27,357 75	$18,000 00

Health and Sanitation—Continued.

HEALTH DEPARTMENT—Continued.

Amounts brought forward . .	$4,416 19	$27,357 75	$18,000 00
House-servants . .	260 00		
Cooks	312 00		
Laundresses . .	312 00		
		5,300 19	
Clothing		9 00	
Fuel		269 46	
Furniture, furnishings and household supplies		65 59	
Hardware, tools, etc. . . .		22 28	
Ice		75 92	
Lighting		90 54	
Medical and surgical supplies . .		143 84	
Repairing furnace		14 27	
Roof repairs		80 97	
Services of consulting physician .		5 00	
Subsistence supplies . . .		1,790 77	
Telephone service		37 68	
Sundries		1 55	
			7,907 06
Tuberculosis camp:—			
Salaries of:—			
Physician . . .	$718 72		
Matron . . .	587 38		
Nurses	1,086 97		
Night attendants . .	221 01		
Care-taker . . .	502 28		
Cook	243 14		
House-maids . .	333 71		
Laundress . . .	142 83		
Cleaners . . .	132 24		
		$3,968 28	
Charts		17 50	
Covered walk		45 60	
Crockery and household supplies .		27 66	
Disinfectant		17 00	
Expressage		4 30	
Floor		40 00	
Fuel		506 66	
Furniture, furnishings and hospital supplies		1,253 39	
Hardware, tools, etc. . . .		16 01	
Heaters		150 00	
Heating apparatus repairs . .		7 85	
Ice		26 66	
Laundry work		15 63	
Lighting		320 72	
Medical and surgical supplies . .		222 72	
Paper napkins and bags . . .		111 64	
Plumbing		184 13	
Repairing chimney		25 50	
Roofing pitch		4 50	
Amounts carried forward		$6,965 75	$35,264 81	$18,000 00

Health and Sanitation—Continued.

HEALTH DEPARTMENT—Concluded.

Amounts brought forward	$6,965 75	$35,264 81	$18,000 00
Stationery:—			
Postage and Stationery Account (transfer) .	$27 62		
Sundry Persons . .	7 45		
	35 07		
Soap, kerosene, etc.	38 90		
Subsistence supplies . . .	3,791 33		
Telephone service	38 97		
Toilet paper	13 25		
Water, Town of Belmont . .	64 43		
Sundries	8 62		
		10,956 32	
Total, including $99.83 transfer .			46,221 13
Excess of expenditure over appropriation . . .			$28,221 13
Transfer from Contingent Fund			28,300 00
Balance relinquished to general treasury . . .			$78 87

INSPECTOR OF ANIMALS.

Appropriation		$850 00
EXPENDED.		
For salary of Inspector of Animals . .	$700 00	
Medicines and drugs	127 50	
Total		827 50
Surplus of appropriation relinquished to general treasury . .		$22 50

INSPECTION OF MILK AND VINEGAR.

SALARIES.

Appropriation		$1,800 00
EXPENDED.		
For salaries of:—		
Inspector of Milk and Vinegar . .	$1,000 00	
Collector of Samples	780 00	
Substitute	15 00	
Total		1,795 00
Surplus of appropriation relinquished to general treasury . .		$5 00

Health and Sanitation—Continued.

INSPECTION OF MILK AND VINEGAR—Concluded.

GENERAL EXPENSES.

Appropriation			$250 00
EXPENDED.			
For apparatus and repairs, and supplies		$108 58	
Car tickets		50 00	
Expressage		3 20	
Stationery and printing:—			
Postage and Stationery Account (transfer)	$7 75		
Sundry Persons	77 61		
		85 36	
Sundries		1 31	
Total, including $7.75 transfer			248 45
Surplus of appropriation relinquished to general treasury			$1 55

CONSTRUCTION OF CONTAGIOUS HOSPITAL.

Appropriation			$20,000 00
EXPENDED.			
For advertising		$318 00	
Building day camp, Martin Flynn		7,008 11	
Building shacks, S. J. Kelley, Jr.		2,781 52	
Building roadway, James Gray		583 05	
Building sewer, labor and materials		2,459 08	
Connecting with main sewer		93 50	
Digging ditch for water-pipe		139 68	
Cold storage room		156 00	
Electric wiring and fixtures		177 85	
Grading, etc.		24 45	
Heating apparatus, J. J. Hurley & Co.		1,025 00	
Plans, Charles R. Greco		401 65	
Plumbing:—			
Higgins & Co.	$1,093 87		
Arthur W. Balcom	697 40		
		1,791 27	
Puritan flooring		81 00	
Water supply:—			
City of Cambridge, Water Department (transfer)	$255 17		
Town of Belmont	16 06		
		271 23	
Carriage hire		3 00	
Crockery, cooking utensils and household supplies		300 56	
Fire extinguishers		56 00	
Furniture and furnishings		1,911 39	
Medical and surgical instruments and supplies		55 05	
Amounts carried forward		$19,637 39	$20,000 00

Health and Sanitation—Continued.

CONSTRUCTION OF CONTAGIOUS HOSPITAL—Concluded.

Amounts brought forward	$19,637 39	$20,000 00
Painting and glazing supplies	94 14	
Paper bags	4 75	
Picture	5 00	
Radiator	9 19	
Range	240 00	
Stationery, stamps, etc.	7 33	
Total, including $255.17 transfer		19,997 80
Balance relinquished to general treasury		$2 20

LAND FOR HOSPITAL.

Appropriation brought forward		$6,240 00
EXPENDED.		
For services of experts	$780 00	
Total		780 00
Balance of appropriation		$5,460 00

MODIFIED MILK.

Appropriation		$1,300 00
EXPENDED.		
For apparatus, repairs and supplies	$107 79	
Advertising	7 00	
Delivering milk	108 00	
Expressage	2 20	
Fitting up room in City Hall	111 96	
Milk, cream and sugar of milk	496 81	
Printing, postage and stationery	8 80	
Services of nurses at distributing stations	180 00	
Services, modifying milk	172 00	
Washing and filling bottles	70 20	
Total		1,264 76
Balance relinquished to general treasury		$35 24

Health and Sanitation—Continued.

SEWER DEPARTMENT.

CONSTRUCTION GENERAL.

Appropriation			$10,000 00
EXPENDED.			
For labor, as per pay-rolls		$3,169 44	
Bricks		395 70	
Catch-basin traps		164 00	
Cement		274 50	
Frames, grates, covers, etc.		585 80	
Gravel, sand, etc.		223 10	
Hardware, tools and supplies		91 36	
Lumber		155 40	
Oil		5 25	
Pipe and fittings:—			
Water Department (transfer)	$62 72		
Sundry Persons	511 63		
		574 35	
Stone, Street Department (transfer)		3 07	
Teaming		6 94	
Testing cement		3 33	
Total, including $65.79 transfers			5,652 24
Surplus of appropriation			$4,347 76
Transfer to Separate System of Drainage			4,000 00
Balance of appropriation			$347 76

SUMMARY — EXPENDED.

For new catch-basins:—			
Labor	$787 05		
Supplies	1,126 78		
		$1,913 83	
General expenses		221 88	
Hubbard Park sewer:—			
Labor	$773 52		
Supplies	467 11		
		1,240 63	
Cambridge Terrace Sewer:—			
Labor	$1,245 75		
Teaming	94		
Supplies	411 25		
		1,657 94	
Wyeth Terrace Sewer:—			
Supplies		113 99	
Central Place Sewer:—			
Labor	$41 37		
Supplies	19 78		
		61 15	
Fresh Pond Lane Sewer:—			
Labor	$181 55		
Amounts carried forward	$181 55	$5,209 42	

Health and Sanitation—Continued.

SEWER DEPARTMENT—CONSTRUCTION GENERAL—Concluded.

Amounts brought forward	$181 55	$5,209 42	
Teaming	6 00		
Supplies	23 71		
		211 26	
Warwick Park Sewer:—			
Labor	$140 20		
Supplies	91 36		
		231 56	
Total			$5,652 24

CONSTRUCTION, SEPARATE SYSTEM OF DRAINAGE.

Appropriation brought forward	$2,777 25
New appropriation	37,279 63
	$40,056 88

EXPENDED.

For labor, as per pay-roll	$32,878 98	
Bricks	905 36	
Cement	873 20	
Expanded metal	18 90	
Frames, grates, covers, etc.	367 28	
Gravel, crushed stone, sand, etc.	598 94	
Hardware, tools and supplies	515 79	
Labor in connection with sewer crossing:—		
Boston & Maine R. R.	71 37	
Lumber and mill-work	2,104 38	
Oil	70 00	
Oatmeal	24 00	
Pipe and fittings	3,326 48	
Placing catch-basin connections in marginal conduit, Charles River Basin Commission	20 58	
Rubber boots	126 35	
Services of physician	5 00	
Stock and labor, Water Department (transfer)	6 51	
Teaming	812 76	
Testing cement	6 67	
Use of steam roller, Street Department (transfer)	24 00	
Total, including $30.51 transfer		$42,756 55
Excess of expenditure over appropriation		$2,699 67
Transfer from Construction General		4,000 00
Balance of appropriation		$1,300 33

Health and Sanitation—Continued.

CONSTRUCTION, SEPARATE SYSTEM OF DRAINAGE—Concluded.

SUMMARY — EXPENDED.

For Cogswell Avenue District:—			
Labor	$30,521 79		
Teaming	790 88		
Supplies	8,369 69		
		$39,682 36	
Sherman Street District:—			
Labor	$1,089 02		
Teaming	21 88		
Supplies	469 81		
		1,580 71	
Commercial Avenue District:—			
Supplies		20 58	
Vandine Street District:—			
Labor	$1,268 17		
Supplies	204 73		
		1,472 90	
Total			$42,756 55

CONSTRUCTION, GATE CHAMBERS.

Appropriation brought forward			$1,451 94

EXPENDED.

For labor, as per pay-rolls		$569 20	
Cement		4 21	
Hardware, tools, etc.		10 80	
Iron work		65 28	
Lumber		179 46	
Sluice gates, etc.		263 50	
Teaming		4 50	
Total			1,096 95
Balance of appropriation			$354 99

SEWER DEPARTMENT — MAINTENANCE.

Appropriation			$20,000 00

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.

For cement	$13 33		
Fertilizer	5 00		
Frames, graces, etc.	92 74		
Labor, etc.	4 25		
Scrap iron	27 10		
Boots	10 50		
	$152 92		
Amount carried forward			$20,000 00

Health and Sanitation—Continued.

SEWER DEPARTMENT MAINTENANCE—Continued.

Amount brought forward			$20,000 00
EXPENDED.			
For salaries of:—			
Superintendent of Sewers	$2,000 00		
Clerk	402 94		
		$2,402 94	
Labor, as per pay-rolls		9,749 05	
Advertising		27 62	
Blacksmithing and iron work		60 27	
Bricks		64 14	
Buggy		225 00	
Carriage and wagon repairs		322 20	
Car tickets		120 00	
Cement		192 39	
Cleaning catch-basins		3,622 26	
Clearing water from cellar		3 00	
Expressage		90	
Excavating trench		5 00	
Frames, grates, covers, etc.		315 65	
Fuel		27 11	
Gravel, sand, etc.		228 88	
Hardware, tools and supplies		188 17	
Harness and repairs		18 55	
Hay, grain and straw		646 33	
Horse		300 00	
Horseshoeing and clipping		155 00	
Hose		90 00	
House repairs:—			
Painting, papering, etc.	$55 63		
Plumbing, etc.	26 75		
Windows	13 05		
		95 43	
Lighting stable		18 36	
Lumber and mill-work		322 94	
Oil		7 48	
Pipe and fittings:—			
Water Dept. (transfer)	$9 00		
Sundry Persons	139 50		
		148 50	
Repairing and clearing drains		42 38	
Rubber boots		141 55	
Sewer and catch-basin traps		82 00	
Stationery, printing and office supplies:—			
Postage and Stationery Account (transfer)	$11 27		
Sundry Persons	30 00		
		41 27	
Teaming		11 43	
Telephone service		30 60	
Use of pump		8 00	
Total, including $20.27 transfer			19,714 40
Surplus of appropriation			$285 60
Transfer to Engineering Department, Salaries			125 00
Balance relinquished to general treasury			$160 60

Health and Sanitation—Continued.

SEWER DEPARTMENT MAINTENANCE—Concluded.

SUMMARY — EXPENDED.

For repairing catch-basins:—			
Labor	$714 20		
Supplies	518 65		
		$1,232	85
Cleaning catch-basins:—			
Labor	$2,334 70		
Teaming	3,622 26		
Supplies	314 59		
		6,271	55
Cleaning and repairing gates:—			
Labor	$1,269 59		
Supplies	44 91		
		1,314	50
Cleaning sumps:—			
Labor		223	29
Cleaning and flushing sewers:—			
Labor	$912 57		
Supplies	157 98		
		1,070	55
Manhole repairs:—			
Labor	$157 84		
Teaming	1 50		
Supplies	171 02		
		330	36
General Expenses:—			
Salary of Superintendent	$2,000 00		
Labor	931 55		
Supplies	911 71		
		3,843	26
Office expenses:—			
Salary of Clerk	$402 94		
Supplies	34 27		
		437	21
Sewer repairs:—			
Labor	$2,434 31		
Teaming	9 93		
Supplies	765 30		
		3,209	54
Stable Account:—			
Labor	$771 00		
Supplies	1,010 29		
		1,781	29
Total			$19,714 40

Health and Sanitation—Continued.

HOUSE OFFAL.

LABOR.

Appropriation		$28,500 00
EXPENDED.		
For labor, as per pay-roll	$28,189 35	
Total		$28,189 35
Surplus of appropriation		$310 65
Transfer to General Expenses		300 00
Balance relinquished to general treasury		$10 65

GENERAL EXPENSES.

Appropriation			$7,700 00
DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.			
For sale of offal	$13,010 66		
EXPENDED.			
For clock repairs		$5 40	
Concord buggy		92 00	
Gas-fitting		7 94	
Fuel		63 32	
Hardware, tools and supplies		116 37	
Harness and repairs, and horse clothing		239 65	
Hay, grain and straw		4,622 17	
Horses		832 50	
Horseshoeing and clipping		769 55	
Lighting stable		31 44	
Paint, oil, etc.		118 15	
Stable repairs:—			
Electrical work	$5 05		
Gutters	14 50		
Lumber	194 87		
Painting	71 00		
Plumbing	5 50		
		290 92	
Stable supplies		50 85	
Wagon repairs		759 40	
Total			7,999 66
Excess of expenditure over appropriation			$299 66
Transfer from Labor Account			300 00
Balance relinquished to general treasury			$ 34

Health and Sanitation—Continued.

COLLECTION OF ASHES.

Appropriation			$37,500 00
EXPENDED.			
For salary of Foreman		$1,200 00	
Labor, as per pay-roll		32,019 93	
Bicycle repairs		5 05	
Hardware, tools and supplies		6 27	
Harness and repairs, and horse clothing		275 56	
Hay, grain and straw		4,651 96	
Horseshoeing and stock		93 98	
New equipment:—			
Paper carts	$378 84		
Cart covers	39 00		
Horses	1,060 00		
		1,477 84	
Painters' supplies		66 40	
Renewals and repairs, carts, etc.		211 07	
Teaming		117 00	
Traveling expenses		21 30	
Sundries		6 00	
Total			40,152 36
Excess of expenditure over appropriation			$2,652 36
Transfers:—			
From Boston Bridges		$2,000 00	
From Contingent Fund		700 00	
			2,700 00
Balance relinquished to general treasury			$47 64

INCINERATOR PLANT, CONSTRUCTION.

Appropriation brought forward			$16,910 65
EXPENDED.			
For labor, as per pay-roll		$590 96	
Contract for building incinerator:—			
Adolph Kern	$13,765 00		
Extras	1,050 00		
		14,815 00	
Changing sewer connections		18 70	
Iron door		11 00	
Lumber		2 01	
Materials for sewer work		107 55	
Teaming		41 00	
Test on incinerator and report		250 00	
Water Supply, Water Dept. (transfer)		195 03	
Wire guards for windows and doors		67 50	
Total, including $195.03 transfer			16,098 75
Balance of appropriation			$811 90

Health and Sanitation—Concluded.

MAINTENANCE OF INCINERATOR PLANT.

Appropriation		$4,000 00

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.

For old bottles and junk	$90 65

EXPENDED.

For labor, as per pay-roll	$3,634 38	
Furnace, engine and boiler supplies	166 62	
Furniture and furnishings	14 20	
Hardware, tools, etc.	132 54	
Ice	8 47	
Lighting	16 50	
Repairs and additions	25 43	
Total		3,998 14
Surplus of appropriation relinquished to general treasury		$1 86

HIGHWAYS AND BRIDGES.

ENGINEERING DEPARTMENT.

SALARIES.

Appropriation		$8,750 00

EXPENDED.

For salaries of:—		
City Engineer	$3,000 00	
Assistant Engineers	2,586 29	
Assistant on street work	1,071 00	
Assistant on sewer work	315 00	
Transitmen	1,329 37	
Rodmen	270 35	
Clerk	402 94	
Total		8,974 95
Excess of expenditure over appropriation		$224 95
Transfers:—		
From General Expenses	$100 00	
From Sewer Dept., Maintenance	125 00	
		225 00
Balance relinquished to general treasury		$ 05

GENERAL EXPENSES.

Appropriation		$900 00

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.

For refund of overpayment	$2 25

Amount carried forward	$900 00

Highways and Bridges—Continued.

ENGINEERING DEPARTMENT—Continued.

Amount brought forward			$900 00
EXPENDED.			
For apparatus, instruments and repairs		$44 14	
Binding		13 50	
Car tickets		275 00	
Directory		4 00	
Half-tones		32 50	
Hardware, tools and supplies		20 09	
Making cases and painting		86 00	
Photographic goods, blue prints, etc.		36 17	
Rain gauge charts		3 00	
Rubber boots		4 15	
Stationery, printing and drawing materials:—			
Postage and Stationery Account (transfer)	$21 06		
Sundry Persons	75 54		
		96 60	
Subscriptions		10 00	
Telephone service		120 45	
Sundries		1 30	
Total, including $21.06 transfer			746 90
Surplus of appropriation			$153 10
Transfer to Salaries			100 00
Balance relinquished to general treasury			$53 10

SALARIES OF SUPERINTENDENT OF STREETS AND CLERKS.

Appropriation			$6,500 00
EXPENDED.			
For salaries of:—			
Superintendent of Streets		$2,500 00	
Chief clerk		1,105 00	
Office clerks		1,316 00	
Yard clerks		1,467 00	
Total			6,388 00
Surplus of appropriation transferred to Street Sprinkling			$112 00

STREET MAINTENANCE.

Appropriation			$75,000 00
DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.			
For cracked stone, sand, etc.	$74 04		
Damage to watering cart	53 23		
Horse board	234 00		
Horseshoeing	66 99		
Amounts carried forward	$428 26		$75,000 00

Highways and Bridges—Continued.

STREET MAINTENANCE—Continued.

Amounts brought forward . .	$428 26		$75,000 00
Granite blocks . .	43 75		
Gravel	15 58		
Labor and materials .	358 67		
Old materials . .	160 89		
Paint	58		
Permit fees . . .	36 50		
Scrapings . . .	80 10		
Edgestone . . .	3 69		
Rent of land for sign .	30 00		
Use of road machine .	2 00		
Use of steam roller .	5 50		
	$1,165 52		

EXPENDED.

For labor, as per pay-roll . . .		$44,177 22	
Bicycle repairs		44 70	
Carriage and wagon repairs . .		476 96	
Cement		99 00	
Crushed stone		10,038 32	
Field stone		1,566 54	
Fuel		1,703 25	
Gravel		201 19	
Hardware, tools and supplies . .		472 75	
Harness and repairs, and horse clothing		588 47	
Hay, grain and straw. . . .		5,673 53	
Horseshoeing, stock and tools, and clipping		407 17	
Lighting		676 83	
New equipment:—			
Steam-roller	$2,900 00		
Horses	575 00		
Other equipment	48 29		
		3,523 29	
Office expenses and telephone service:—			
Directory	$4 00		
Stationery, printing, etc. (including $75.78 transfer)	255 52		
Subscription	3 00		
Telephone service	211 47		
		473 99	
Painters' supplies		286 49	
Renewals and repairs, stables and sheds:—			
Water Dept. (transfer) . . .	$6 71		
Sundry Persons	196 08		
		202 79	
Special road treatment . . .		676 22	
Stable supplies		248 68	
Steam-rollers, repairs and supplies .		603 95	
Amounts carried forward		$72,141 34	$75,000 00

Highways and Bridges—Continued.

STREET MAINTENANCE—Concluded.

Amounts brought forward		$72,141 34	$75,000 00
Stone-crushers, repairs and supplies .		151 17	
Street signs		218 95	
Teaming		2,724 50	
Miscellaneous:—			
Advertising	$67 88		
Lumber for fence	14 00		
Moth tax at gravel bank . . .	25 64		
Sealing, Sealer of Weights and Measures (transfer)	4 01		
Setting top-mast, removing and housing flagpole	25 50		
Pipe, cement, etc., Sewer Dept. (transfer)	7 48		
Rubber boots, Sewer Dept. (transfer)	7 00		
Sundries	8 47		
		159 98	
Total, including $100.98 transfers . .			75,395 94
Excess of expenditure over appropriation . . .			$395 94
Transfer from Park Dept., General Account . .			396 00
Balance relinquished to general treasury . . .			$0 06

RESURFACING DISTRICT I.

STREETS	Labor	Teaming	Steam Roller	Crushed Stone	Gravel	Total	Square Yards
Allston, between Magazine St. and Sidney St	$198 25	$310 00	$112 00	$562 50	$32 00	$1,214 75	3,343
Auburn, between Western Ave. and Magazine St	80 25	162 00	49 00	240 00	14 00	545 25	981
Austin, between Columbia St. and Essex St	164 25	219 50	119 00	572 50	14 00	1,089 25	2,777
Bigelow, between Massachusetts Ave. and City Hall Ave	21 00	39 00	21 00	80 00	.....	161 00	494
Binney, between Portland St. and B. & A. R.R	33 00	57 00	21 00	96 25	.....	207 25	994
Broadway, between Winsor St. and Prospect St	34 00	84 00	35 00	35 00	141 00	329 00	1,925
Davis, between Hampshire St. and Harvard St	34 00	78 00	14 00	37 50	195 00	358 50	945
Greenough Ave., between Highland Ave. and Ellsworth Ave	45 50	66 00	21 00	135 00	.....	267 50	709
Hampshire, between Inman Sq. and Somerville Line	12 50	10 75	10 50	40 00	6 00	79 75	432
Harrison, between School St. and Washington St	14 25	24 00	7 00	37 50	11 00	93 75	400
Harvard, between Dana St. and Hancock St	135 00	164 50	91 00	274 37	193 98*	858 85	2,195*
Harvard, between Hancock St. and Sixth St	1,037 00	1,298 00	696 50	2,426 25	.....	5,457 75	16,675
Palermo, between Winsor St. and Willow St	16 50	13 25	14 00	101 25	.....	145 00	750
Pleasant, between Massachusetts Ave. and Florence St	449 25	642 00	259 00	1,000 00	42 00	2,392 25	7,250
Plymouth, between Winsor St. and Webster Ave	44 75	68 00	28 00	126 25	4 00	271 00	887
School, between Portland St. and Austin St	144 25	216 00	98 00	402 50	354 50	1,215 25	4,160
Spring, between First St. and Ninth St	371 25	557 00	161 00	1,078 75	45 00	2,213 00	6,830
Suffolk, between Norfolk St. and Columbia St	45 50	84 00	28 00	210 00	4 00	371 50	924
Third, between Gore St. and Cambridge St	41 25	57 25	17 50	120 00	50	236 50	601
Washington, between Norfolk St. and Main St	360 00	639 00	220 50	1,245 00	32 00	2,496 50	6,124
Webster Ave., between Bristol St. and Hampshire St	60 00	144 00	35 00	.....	373 50	612 50	1,634
Totals	$3,341 75	$4,933 25	$2,058 00	$8,820 62	$1,462 48	$20,616 10	61,030
Patching District I	.....	.....	.....	.....	.....	$2,499 60	.....

*This is the amount expended for Tarvia and the number of yards treated with same.

RESURFACING DISTRICT II.

STREETS	Labor	Teaming	Steam Roller	Crushed Stone	Gravel	Total	Square Yards
Banks, between Flagg St. and Sands St	$210 00	$353 00	$70 00	$507 50	$18 00	$1,158 50	2,157
Boylston, between Brattle St. and the Bridge	487 25	974 25	252 00	1,479 00	214 00	3,406 50	7,014
Broadway, between Ellery St. and Highland Ave	20 00	2 50	14 00	7 50	49 50	93 50	2,169
Day, between Massachusetts Ave. and Somerville Line	31 13	39 00	10 50	21 25	70 50	172 38	874
Foster, between Willard St. and Lowell St	182 63	354 50	117 25	542 50	10 00	1,206 88	3,098
Harvard, between Quincy St. and Dana St	322 00	623 50	182 00	985 00	267 75*	2,380 25	4,521†
Hilliard, between Mt. Auburn St. and Brattle St	30 13	17 75	21 00	23 75	133 50	226 13	912
Huron Ave., between Gurney St. and Lakeview Ave	106 00	170 00	70 00	261 25	17 00	624 25	1,728
Mt. Auburn, between Putnam Ave. and Brattle Sq	342 75	771 00	217 00	1,236 25	25 00	2,592 00	8,626
Mt. Auburn, between Hawthorn St. and Willard St	19 00	10 25	14 00	5 00	74 25	122 50	944
Myrtle Ave., between Kirkland St. and Magnolia Ave	39 50	60 38	31 50	115 00	.....	246 38	810
Putnam Ave., between Putnam Sq. and Western Ave	61 25	117 25	31 50	146 25	13 00	369 25	618
Reservoir, between Vassal Lane and Highland St	150 00	276 63	94 50	233 75	98 50	853 38	6,389
Rindge Ave., between N. E. Brick Co. and Sherman St	115 25	215 50	77 00	500 00	4 00	911 75	2,777
Sands, between Banks St. and Putnam Ave	68 00	113 25	45 50	127 50	8 50	362 75	897.2
Story, between Mt. Auburn St. and Brattle St	6 06	12 00	8 75	31 25	.....	58 06	855
Upland Road, between Massachusetts Ave. and Richdale Ave	72 19	119 25	52 50	310 00	.....	553 94	1,556
Wendell, between Oxford St. and Carver St	112 00	221 25	56 00	277 50	74 25	741 00	2,635
Totals	$2,375 14	$4,451 26	$1,365 00	$6,810 25	$1,077 75	$16,079 40	48,580.2
Patching District II	.....	.....	.....	.....	.....	$3,519 56	.....

*This includes an amount of $264.25 for Tarvia.

†This includes an amount of 3,516 square yards of Tarviated surface.

Highways and Bridges—Continued.

STREET CONSTRUCTION.

LAND DAMAGES.

Appropriation brought forward		$11,067 93
Additional appropriations		20,000 00
		$31,067 93

EXPENDED.

For examination of titles		$120 00	
Recording deeds		15 30	
Expert services		150 00	
Land and damage:—			
Allston Street:—			
Nathan Saltman, Louis Saltman and Moses Segel	$1,400 00		
Freedom S. Adams	825 00		
		2,225 00	
Bowdoin Street:—			
William Franklin Hall	$227 58		
Josiah M. Fiske	700 00		
		927 58	
Brown Street:—			
Cambridge Savings Bank	$4,904 29		
Bridget Sughrue	75 00		
		4,979 29	
Clarendon Avenue:—			
American Vulcanized Fibre Co.		161 77	
Dudley Street:—			
Alonzo G. Van Nostrand and Horace G. Allen, trustees		825 00	
Massachusetts Avenue:—			
Wm. W. Dallinger, trustee	$3,601 60		
Velma M. Morse *et al.*	6,744 66		
Hannah J. Power	2,100 00		
		12,446 26	
Miller Avenue:—			
Faith Garland	$51 00		
Robert Weitze	300 00		
		351 00	
Total			22,201 20
Surplus of appropriation			$8,866 73
Transfers from:—			
Rebuilding First St. Bridge		$1,089 62	
Rebuilding Third St. Bridge		22 65	
			1,112 27
			$9,979 00
Transfer to Construction, Binney Street and Others			1,000 00
Balance of appropriation			$8,979 00

Highways and Bridges—Continued.

ALLSTON STREET AND OTHERS.

Appropriation		$946 55
EXPENDED.		
For labor, as per pay-roll	$526 68	
Filling	93 75	
Materials for sewer work	28 66	
Edgestone	167 17	
Teaming, as per pay-roll	128 00	
Total		944 26
Balance relinquished to general treasury		$2 29

BINNEY STREET AND OTHERS.

Appropriation		$12,000 00
EXPENDED.		
For labor, as per pay-roll	$5,798 30	
Bitulithic surface	112 82	
Crushed stone	2,182 99	
Edgestone	1,728 47	
Gutter stone	542 38	
Gravel	73 40	
Hardware and tools	153 62	
Hay	244 80	
Lighting	68 50	
Materials for sewer work	470 45	
Teaming, as per pay-roll	1,324 13	
Total		12,699 86
Excess of expenditures over appropriation		$699 86
Transfer from Rebuilding Broadway, Hampshire and Mt. Auburn Streets		700 00
Balance relinquished to general treasury		$ 14

HOUGHTON STREET AND OTHERS.

Appropriation		$364 71
EXPENDED.		
For labor, as per pay-roll	$97 75	
Crushed stone	196 40	
Hay and grain	70 20	
Total		$364 35
Balance relinquished to general treasury		$ 36

Highways and Bridges—Continued.

STREET PAVING REPAIRS.

CROSSINGS.

Appropriation		$2,500 00
EXPENDED.		
For labor, as per pay-roll	$1,196 35	
Bitulithic pavement	63 00	
Block filler	6 10	
Granite flagging	1,022 82	
Gravel	48 69	
Teaming	162 00	
Sundries	80	
Total		2,499 76
Balance relinquished to general treasury		$ 24

STREET PAVING (NEW CONSTRUCTION)

REBUILDING CAMBRIDGE STREET.

Appropriation		$656 96
EXPENDED.		
For labor, as per pay-roll	$518 19	
Teaming, as per pay-roll	60 25	
Total		578 44
Balance transferred to Street Sprinkling		$78 52

REBUILDING HAMPSHIRE STREET.

Appropriation		$365 90
EXPENDED.		
For labor, as per pay-roll	$315 25	
Teaming, as per pay-roll	49 50	
Total		364 75
Balance transferred to Street Sprinkling		**$1 15**

REBUILDING BROADWAY, HAMPSHIRE AND MOUNT AUBURN STREETS.

Appropriation		$50,000 00
EXPENDED.		
For labor, as per pay-roll	$12,343 52	
Bitulithic surface	16,903 83	
Amounts carried forward	$29,247 35	$50,000 00

Highways and Bridges—Continued.

REBUILDING BROADWAY, HAMPSHIRE AND MOUNT AUBURN STREETS—Concluded.

Amounts brought forward	$29,247 35	$50,000 00
Bricks	25 65	
Cement	443 56	
Crushed stone	2,208 55	
Field stone, as per pay-roll	93 97	
Granite blocks and teaming	12,701 53	
Granite flagging	218 40	
Fuel	146 15	
Gravel	881 54	
Hardware and tools	70 05	
Hay, grain and straw	482 34	
Lighting	142 00	
Special granite block paving	600 00	
Teaming, as per pay-roll	1,936 50	
Total		49,197 59
Surplus of appropriation		$802 41
Transfer to Construction of Binney Street and others		700 00
Balance of appropriation		$102 41

STREET CLEANING AND SNOW REMOVAL.

Appropriation	$42,000 00

EXPENDED.

For Street Cleaning:—		
Labor, as per pay-roll	$30,393 84	
Hardware, tools, etc.	258 95	
Hay, grain and straw	1,427 60	
Machine sweeper repairs	60 58	
New equipment	19 36	
Refilling machine sweeper brooms	180 00	
Teaming	4,596 38	
	$36,936 71	
Snow Removal:—		
Labor, as per pay-roll	$4,898 47	
Hardware, tools, etc.	93 70	
Hay	32 81	
Salt	13 50	
Teaming	24 00	
	5,062 48	
Total		41,999 19
Surplus of appropriation relinquished to general treasury		$ 81

Highways and Bridges—Continued.

STREET LIGHTING.

SALARIES.

Appropriation	$1,000 00

EXPENDED.

For salary of Superintendent of Lamps	$1,000 00	
Total		1,000 00

GENERAL EXPENSES.

Appropriation			$80,000 00
EXPENDED.			
For advertising		$26 50	
Automobile, supplies and repairs		1,058 74	
Carriage repairs		34 80	
Harnesses and robes		9 15	
Horse board		92 74	
Horseshoeing		16 25	
Lighting streets:—			
Arc	$56,009 55		
Series	11,705 61		
Gas	10,220 92		
		77,936 08	
Lighting Prison Point Bridge		742 50	
Printing and stationery:—			
Postage and Stationery Account (transfer)	$8 51		
Sundry Persons	5 63		
		14 14	
Registration of automobile		5 00	
Rent of stable		24 00	
Total, including $8.51 transfer			79,959 90
Surplus of appropriation			$40 10
Transfer from Contingent Fund for Lighting Bridge			750 00
			$790 10
Transfer to Wire Account, Salaries			700 00
Balance relinquished to general treasury			$90 10

STREET SPRINKLING.

Annual appropriation	$34,000 00

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.

For watering private ways	$295 33	
Amount carried forward		$34,000 00

Highways and Bridges—Continued.

STREET SPRINKLING—Concluded.

Amount brought forward		$34,000 00
EXPENDED.		
For salary of foreman	$1,200 00	
Labor, as per pay-roll	1,167 46	
Sprinkling streets, by contractors	30,784 37	
Clerical services	33 63	
Carriage repairs	13 00	
Hardware, tools, etc.	30 85	
Harness repairs	2 75	
Hay, grain and straw	184 08	
Printing	9 00	
Special road treatment	766 87	
Standpipe repairs, Water Department (transfer)	263 05	
Watering cart repairs	525 41	
Total, including $263.05 transfer		34,980 47
Excess of expenditure over appropriation		$980 47
Transfers:—		
From Salaries	$112 00	
From Rebuilding Cambridge Street	78 52	
From Rebuilding Hampshire Street	1 15	
From Construction Somerville Avenue	7 49	
From Bridges	800 00	
		999 16
Balance relinquished to general treasury		$18 69

SIDEWALK REPAIRS.

Appropriation		$5,000 00
EXPENDED.		
For labor, as per pay-roll	$4,202 15	
Bricks	20 26	
Cement	41 25	
Gravel	75 36	
Granolithic base for bay window	4 96	
Hay, grain and straw	190 13	
Oil	5 30	
Repairing artificial stone sidewalks	44 40	
Teaming, as per pay-roll	416 00	
Total		4,999 81
Balance relinquished to general treasury		$ 19

Highways and Bridges—Continued.

EDGESTONES AND SIDEWALKS.

Appropriation		$20,000 00
Department Receipts Carried to General Treasury.		
For labor and materials	$437 60	
EXPENDED.		
For labor, as per pay-roll	$7,194 94	
Allowance on new artificial stone sidewalks	1,318 38	
Artificial stone sidewalks	845 20	
Bricks	2,291 97	
Cement	42 08	
Gravel	1,122 01	
Hardware, tools, etc.	152 77	
Hay and grain	190 54	
Lighting	62 06	
Stone:—		
Edgestone $5,012 93		
Granite flagging 138 56		
Granite blocks 273 50		
Gutter stone 729 96		
	6,154 95	
Teaming	960 37	
Total		20,335 27
Excess of expenditure over appropriation		$335 27
Additional appropriation		400 00
Balance of appropriation		$64 73

STREET DEPARTMENT BRIDGES.

Appropriation		$6,200 00
EXPENDED.		
For salaries of draw-tenders and assistants	$4,725 84	
Labor, as per pay-roll	175 81	
Blacksmithing and iron work	25 84	
Flagging by railroad during painting of bridge	9 06	
Fuel	8 70	
Hardware and supplies	29 47	
Lumber	326 49	
Motor service and supplies	81 15	
Printing	3 50	
Repairing chimney	6 95	
Oakum	6 00	
Total		5,398 81
Surplus of appropriation		$801 19
Transfer to Street Sprinkling		800 00
Balance relinquished to general treasury		$1 19

Highways and Bridges—Continued.

STREET DEPARTMENT BRIDGES—Concluded.

SUMMARY — EXPENDED.

For salaries of draw-tenders and assistants			$4,725 84
First Street Bridge:—			
Labor	$5 99		
Repairs and supplies	80 87		
		86 86	
Third Street Bridge:—			
Labor	$11 40		
Repairs and supplies	36 29		
		47 69	
Sixth Street Bridge:—			
Labor	$115 84		
Repairs and supplies	248 75		
		364 59	
Walden Street Bridge:—			
Labor	$20 00		
Repairs and supplies	88 23		
		108 23	
Huron Avenue Railroad Bridge:—			
Labor	$10 50		
Repairs and supplies	18 64		
		29 14	
Huron Avenue Pipe Line Bridge:—			
Labor	$10 50		
Repairs and supplies	14 11		
		24 61	
Mt. Auburn Street Bridge:—			
Labor	$3 00		
Repairs and supplies	8 85		
		11 85	
Total			**$5,398 81**

BOSTON BRIDGES.

SALARIES.

Appropriation			$10,500 00
EXPENDED.			
For salary of Bridge Commissioner		$700 00	
Clerks		273 31	
Draw-tenders, custodians and assistants			
at Boylston Street Bridge		395 55	
Cambridge Bridge		2,102 71	
Harvard Bridge		2,521 57	
Prison Point Bridge		2,472 06	
River Street and Western Avenue Bridges		1,979 53	
Substitutes during vacation		252 00	
Total			10,696 73
Excess of expenditures over appropriation			$196 73
Transfer from General Expenses			250 00
Balance relinquished to general treasury			$53 27

Highways and Bridges—Continued.

BOSTON BRIDGES—Continued.

GENERAL EXPENSES.

Appropriation			$9,000 00

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.

For sale of old iron	$1 50		

EXPENDED.

For car tickets		$35 00	
Stationery, printing and office supplies		52 98	
Boylston Street Bridge:—			
Damage to automobile, Chas. Hayden	$45 45		
Damage to clothing, Avice M. Green	12 50		
Repairs to bridge	201 69		
Sundries	6 55		
		266 19	
Brookline Street Bridge:—			
Lighting bridge	$276 15		
Repairing bridge	107 66		
Sand box	8 00		
Snow removal	32 00		
Sundries	3 24		
		427 05	
Cambridge Bridge:—			
Gravel and sand	$5 00		
Hardware and tools	32 75		
Ice	2 25		
Ladder	8 00		
Lighting	2,137 58		
Making and erecting iron ladders	121 76		
Teaming	50		
		2,307 84	
Harvard Bridge:—			
Cleaning bridge	$79 93		
Fuel	25 83		
Hardware and supplies	55 44		
Heating apparatus and repairs	18 37		
Ice	3 00		
Lighting	1,069 79		
Pointing piers	409 61		
Repairs to bridge	713 80		
Sand and spreading	263 73		
Teaming	5 00		
Sundries	3 25		
		2,647 75	
Prison Point Bridge:—			
Cleaning bridge	$21 00		
Fuel	5 74		
Hardware and supplies	14 99		
Ladder	6 00		
Lighting	22 50		
Plumbing	1 77		
Amounts carried forward	$72 00	$5,736 81	$9,000 00

Highways and Bridges—Continued.

BOSTON BRIDGES—Concluded.

Amounts brought forward	$72 00	$5,736 81	$9,000 00
Repairing bridge	162 80		
		234 80	
River Street Bridge:—			
Fuel	$10 04		
Hardware and supplies . . .	25 48		
Ice	2 97		
Lighting	45 00		
Repairing bridge	152 57		
		236 06	
Western Avenue Bridge:—			
Hardware and supplies . . .	$7 00		
Lighting	45 00		
Repairing motor houses . . .	21 20		
Repairing bridge	417 36		
		490 56	
Total			6,698 23
Surplus of Appropriation			$2,301 77
Transfer from Contingent Fund			500 00
			$2,801 77
Transfer to Salaries		$250 00	
Transfer to Collection of Ashes		2,000 00	
Transfer to Contingent Fund		500 00	
			2,750 00
Balance relinquished to general treasury . . .			$51 77

REBUILDING FIRST STREET BRIDGE.

Appropriation			$9,897 25
EXPENDED.			
For labor, as per pay-roll		$170 07	
Inspector		176 00	
Building temporary foot-bridge . .		275 00	
Contract for rebuilding bridge . .		7,741 99	
Drilling		3 00	
Erection and rental of derrick . .		241 08	
Hardware and tools		2 89	
Relaying granolithic sidewalk . .		160 10	
Teaming, as per pay-roll . . .		37 50	
Total			8,807 63
Balance transferred to Land Damages . . .			$1,089 62

Highways and Bridges—Continued.

REBUILDING THIRD STREET BRIDGE.

Appropriation		$7,000 00
EXPENDED.		
For labor, as per pay-roll	$290 63	
Inspector	194 00	
Bricks	12 83	
Contract for rebuilding bridge	6,064 49	
Granite paving blocks	15 40	
Motors	400 00	
Total		6,977 35
Balance transfered to Land Damages		$22 65

BROOKLINE BRIDGE APPROACH.

Appropriation		$1,631 98
EXPENDED.		
For labor, as per pay-roll	$35 75	
Broken stone	15 00	
Teaming, as per pay-roll	6 00	
Total		56 75
Balance of appropriation		$1,575 23

COMMERCIAL AVENUE BRIDGE.

Appropriation		$12,417 88
EXPENDED.		
For labor, as per pay-roll	$364 78	
Cement	36 58	
Contract for piers, walls and foundations	740 50	
Contract for erecting bridge	8,325 00	
Gravel and filling	41 68	
Hardware and supplies	8 90	
Hand-operating device	78 91	
Lighting	6 00	
Lumber	16 07	
Motor service	47 50	
Painting end of bridge	33 00	
Plans and supervision	450 00	
Repairing dolphin	54 76	
Steel rods	36 92	
Wiring for lighting	9 33	
Total		10,249 93
Balance of appropriation		$2,167 95

Highways and Bridges—Continued.

CAMBRIDGE BRIDGE.

Appropriation			$85 77
Additional appropriations			48,000 00
			$48,085 77
EXPENDED.			
For services of:—			
Assistant engineers	$1,510 58		
Assistant secretaries to commission	250 00		
Clerks	175 00		
Stenographer	50 00		
		$1,985 58	
Appraisal of land, Williams & Bangs		12 50	
Photographs		19 37	
Settlement for land taken:—			
Frederic D. Fisk	$2,373 50		
Geo. G. Crocker, Alvin F. Sortwell and Frederic D. Fisk, trs.	227 50		
		2,601 00	
Typewriting		50 52	
Expenses of approach:—			
Settlement for land taken:—			
B. F. Brown and Frederic D. Fisk	$16,000 00		
John H. Gamwell, *et al.*	14,000 00		
		30,000 00	
Total expenses of bridge and approach			34,668 97
Balance of appropriation			$13,416 80

SHADE TREES.

Appropriation			$4,500 00
EXPENDED.			
For labor, as per pay-roll		$3,659 25	
Bicycle repairs		10 25	
Filling		54 60	
Hardware, tools and supplies:—			
Sewer Department (transfer)	$1 29		
Street Department (transfer)	90		
Sundry Persons	64 89		
		67 08	
Harness and repairs		4 80	
Hose		3 00	
Index cards		2 50	
Lumber		7 60	
Poles		119 50	
Printing		4 25	
Rope		90 81	
Teaming		200 00	
Trees		141 30	
Wire netting		135 00	
Total, including $2.19 transfer			4,499 94
Balance relinquished to general treasury			$ 06

Highways and Bridges—Concluded.

MOTH AND BEETLE EXTERMINATION.

Appropriation		$3,000 00

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.

For cleaning and spraying trees	$1,048 90

EXPENDED.

For labor, as per pay-roll	$5,222 77	
Clerical services	157 84	
Services of engineer on pump	52 50	
Burlap	2 15	
Creosote	18 18	
Disparene	481 75	
Expressage	50	
Hardware, tools and supplies	16 46	
Horse	225 00	
Horse board	50 00	
Ladders and repairs	48 05	
Lime	23 10	
Pump and sprayer, repairs and supplies	1,281 72	
Signs	19 90	
Stationery and printing	87 75	
Teaming	251 00	
Water heater	10 50	
Wagon	50 00	
Total		7,999 17
Excess of expenditure over appropriation		$4,999 17
Transfer from Contingent Fund		5,000 00
Balance relinquished to general treasury		$ 83

CHARITIES.

CITY FARM, LABOR.

Appropriation		$4,000 00

EXPENDED.

For salary of farmer	$780 00	
Labor, as per pay-roll	2,445 00	
Total		3,225 00
Surplus of appropriation transferred to City Home		$775 00

GENERAL EXPENSES.

Appropriation		$1,000 00

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.

For sale of farm products	$3,488 40

Amount carried forward	$1,000 00

Charities—Continued.

CITY FARM, GENERAL EXPENSES—Concluded.

Amount brought forward		$1,000 00
EXPENDED.		
For baskets	$4 00	
Chickens	41 50	
Covers for wagon	15 50	
Fuel	17 84	
Hardware, tools and supplies	91 39	
Hay, grain and straw	403 63	
Horseshoeing	26 25	
Hot bed sashes	51 47	
Lighting	12 00	
Lumber	74 95	
Rent of stand	60 00	
Rubber aprons	4 50	
Seeds, plants, etc.	163 48	
Wagon repairs	33 40	
Total		999 91
Surplus of appropriation relinquished to general treasury		$ 09

CITY HOME, SALARIES AND LABOR.

Appropriation		$7,060 00
EXPENDED.		
For salaries of:—		
Superintendent	$1,500 00	
Organist	100 00	
Sundry house employees	5,460 00	
Total		7,060 00

GENERAL EXPENSES.

Appropriation			$12,500 00
DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.			
For board	$599 42		
Grease and bones	33 67		
Barrels, bags, etc.	25 78		
Junk	8 30		
	$667 17		
EXPENDED.			
For advertising		$17 40	
Boots, shoes and repairs		208 61	
Burials:—			
Cemetery Department (transfer)	$15 00		
Sundry Persons	67 60		
		82 60	
Car tickets		90 00	
Cash to inmates		103 75	
Amounts carried forward		$502 36	$12,500 00

Charities—Continued.

CITY HOME, GENERAL EXPENSES—Concluded.

Amounts brought forward		$502 36	$12,500 00
Clergymen's services		62 00	
Clothing, dry goods and bedding		840 74	
Clock repairs		13 25	
Crushed stone		6 19	
Directory		4 00	
Disinfectant and insecticide		91 70	
Expressage and freight		21 28	
Fuel		1,823 83	
Furniture, furnishings and household supplies		457 16	
Hardware, tools and supplies		70 54	
House repairs:—			
Bricks	$11 00		
Electrical work	1 25		
Heating apparatus repairs	35 08		
Lime and cement	4 80		
Lighting apparatus repairs	5 90		
Lumber	37 42		
Plastering and whitening	90 25		
Plumbing	38 03		
Repairing dumb waiter	19 73		
		243 46	
Ice		181 62	
Lighting		205 56	
Medical and surgical supplies		316 77	
Motor service and repairs		65 96	
Plants		13 66	
Paint, oil, turpentine, etc.		95 39	
Removing moths, Park Dept. (transfer)		2 34	
Sealing fees, Sealer of Weights and Measures (transfer)		1 45	
Soap and laundry supplies		148 50	
Spectacles		10 00	
Stationery, printing and office supplies:—			
Postage and Stationery Account (transfer)	$24 00		
Sundry Persons	29 05		
		53 05	
Subscription to newspapers		35 20	
Subsistence supplies		8,716 61	
Telephone service		117 38	
Total, including $42.79 transfer			14,100 00
Excess of expenditure over appropriation			$1,600 00
Transfers:—			
From City Farm, Labor		$775 00	
From Contingent Fund		825 00	
			1,600 00

Charities—Continued.

CITY HOME HOSPITAL, SALARIES.

Appropriation		$950 00
EXPENDED.		
For salaries of:—		
Nurse	$624 00	
Attendant	260 00	
Cleaner	104 00	
Total		988 00
Excess of expenditures over appropriation		$38 00
Transfer from Contingent Fund		38 00

GENERAL EXPENSES.

Appropriation		$650 00
DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.		
For board	$446 35	
EXPENDED.		
For disinfectant and insecticide	$7 40	
Fuel	149 28	
Furniture, furnishings, etc.	30 82	
Lighting	88 92	
Medical and surgical apparatus and supplies	212 07	
Paint, etc.	28 05	
Plumbing	75 50	
Subsistence supplies	57 29	
Total		649 33
Surplus of appropriation relinquished to general treasury		$ 67

OUT-DOOR RELIEF.

SALARIES.

Appropriation		$3,800 00
EXPENDED.		
For salaries of:—		
Secretary to Overseers of the Poor	$1,511 25	
Clerk	780 00	
Visitor	1,044 86	
Driver of aid wagon	435 00	
Total		3,771 11
Surplus of appropriation relinquished to general treasury		$28 89

Charities—Continued.

OUTDOOR RELIEF—Continued.

GENERAL EXPENSES.

Appropriation $15,000 00

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.

For reimbursements—			
From individuals . .		$20 68	
From other cities or towns . . .		1,782 58	
From the State—			
Burials .	$178 20		
Support .	244 48		
Temporary aid .	835 92		
		1,258 60	
		$3,061 86	

EXPENDED.

For general administration:—			
Badge, etc.		$3 00	
Carriage hire		16 00	
Car tickets and transportation .		271 88	
Costs of service of writ . . .		3 24	
Directories		18 00	
Disinfectant		7 50	
Ice		20 93	
Laundry and towel supply . .		5 04	
Lighting		28 54	
Printing annual reports . . .		127 50	
Stationery, including $55.00 transfer		262 88	
Telephone service		159 88	
Services of physicians		59 50	
Sundries		13 03	
			$996 92
Aid by other cities and towns . .			5,497 78
Board and care of state minor wards			129 24
Board and care by Commonwealth—			
At State Hospital		$736 13	
At State Farm		45 83	
			781 96
Board and care inside city:—			
Cambridge Relief Hospital . .		$857 42	
Holy Ghost Hospital . . .		81 44	
Sundry individuals		636 30	
			1,575 16
Board and care outside city:—			
Boston Children's Aid Society .		$80 00	
Children's Hospital		34 95	
Children's Mission		25 00	
Convalescent Home		7 00	
Foxborough State Hospital . .		456 85	
Hospital Cottages for Children .		127 67	
Amounts carried forward		$731 47	$8,981 06 $15,000 00

Charities—Concluded.

OUTDOOR RELIEF—Concluded.

Amounts brought forward . . .	$731 47	$8,981 06	$15,000 00
Mass. Homœopathic Hospital .	27 13		
Mass. Hospital for Epileptics . .	670 43		
Mass. School for the Feeble-Minded	4,621 85		
Worcester Insane Hospital . .	49 21		
Wrentham State School . . .	110 50		
		6,210 59	
Burials:—			
Cemetery Department (transfer) .	$201 00		
Horace D. Litchfield . . .	261 20		
		462 20	
Aid to poor in city:—			
Cash aid	$790 79		
Baskets, bags, etc.	26 92		
Clothing	30 05		
Fuel	878 31		
Medical and surgical apparatus .	30 35		
Medicines and drugs . . .	234 24		
Soap	106 88		
Subsistence supplies . . .	4,077 48		
Vaccines	15 00		
Wagon and harness repairs . .	64 06		
		6,254 08	
Services of attendants in transportation		114 00	
Total, including $256.00 transfer . .			22,021 93
Excess of expenditure over appropriation . .			$7,021 93
Transfer from Contingent Fund			7,040 00
Balance relinquished to general treasury . . .			$18 07

CITY PHYSICIAN.

Appropriation	$2,000 00
EXPENDED.	
For salary of City Physician . . .	$2,000 00
Total	2,000 00

EDUCATION.

SCHOOL DEPARTMENT.

Allowance for school under Chapter 566, Acts of 1907				$515,719 56
Allowance for schools under Chapter 362, Acts of 1908				9,168 18
				$524,887 74
DEPARTMENT RECEIPTS.				
From State:—				
Tuition of State wards	$794 50			
From Harvard College:—				
Tuition of students at R. M. T. S.	2,368 00			
From individuals:—				
Tuition at R. M. T. S.	4,020 00			
Tuition at Latin School	880 00			
Tuition at elementary schools	45 00			
Refund of salary	198 51			
Sale of old iron	118 28			
Sale of text-books, etc.	743 89			
	$9,168 18			
EXPENDED.				
For general administration:—				
School Committee:—				
Salaries of:—				
Secretary	$400 00			
Page	25 00			
		$425 00		
Car tickets		450 00		
Printing annual reports		481 10		
			$1,356 10	
Salaries of:—				
Superintendent		$3,091 00		
Primary supervisor		1,192 00		
			4,283 00	
Office expenses:—				
Salaries of:—				
Agent	$2,134 00			
Clerks	2,059 00			
Porter	618 00			
		$4,811 00		
Advertising		28 50		
Car tickets		100 00		
Correcting papers		6 75		
Stationery, printing, etc.		448 90		
Revised Laws		6 00		
Screens		13 00		
Telephone service		237 14		
Typewriter and repairs		47 40		
Vaccine points		1 35		
			5,700 04	
Truant officers:—				
Salaries		$3,600 00		
Expenses		50 77		
			3,650 77	
Teachers salaries:—				
High Schools:—				
English High		$25,717 46		
Amounts carried forward		$25,717 46	$14,989 91	$524,887 74

Education—Continued.

SCHOOL DEPARTMENT—Continued.

Amounts brought forward		$14,989 91	$524,887 74
Latin	$23,943 78		
Special instructors, half-time	2,958 00		
Substitutes	209 50		
		52,828 74	
Elementary day schools:—			
Grammar	$131,494 51		
Primary	79,981 69		
Special instructors	5,362 00		
Substitutes	3,369 25		
Wellington Training School	13,453 96		
		233,661 41	
Evening schools:—			
Industrial	$1,345 00		
Free-hand drawing	455 00		
Mechanical drawing	836 00		
High School	1,649 00		
Putnam	2,613 00		
Roberts	2,566 50		
Shepard	1,165 00		
Webster	1,229 50		
		11,859 00	
Kindergartens:—			
Teachers	$17,608 03		
Substitutes	200 75		
		17,808 78	
Rindge Manual Training School:—			
Teachers, regular sessions	$28,066 75		
Teachers, summer school	800 00		
Substitutes	57 50		
		28,924 25	
Vacation schools		1,397 00	
Text Books and Supplies:—			
Apparatus and supplies	$12,384 56		
Baskets	7 00		
Binding	426 90		
Books and maps	11,558 88		
Diplomas and engrossing	233 16		
Expressage and teaming	509 67		
Piano	425 00		
Piano tuning and repairing	43 15		
Piano cover	5 50		
Postage and stamped envelopes	261 16		
Printing	226 50		
Services of life models	28 20		
Stereopticon slides	12 50		
Subscriptions to periodicals	21 80		
Washing cloths	9 52		
Sundries	4 94		
Motor service	70 97		
		26,229 41	
Janitors' services:—			
Head janitor	$1,410 22		
Janitors—day schools	39,555 93		
Amounts carried forward	$40,966 15	$387,698 50	$524,887 74

Education—Continued.

SCHOOL DEPARTMENT—Continued.

Amounts brought forward	$40,966 15	$387,698 50	$524,887 74
Janitors—evening schools	1,133 50		
Janitors—summer and vacation schools	260 00		
		42,359 65	
Fuel and light:—			
Advertising	$20 00		
Coal and wood	28,549 25		
Charcoal	1 50		
Weighing coal	27 01		
Electric lighting	2,368 00		
Gas lighting	748 35		
		31,714 11	
Transportation of pupils		324 00	
Tuition, Town of Belmont		165 00	
Board of truants		2,570 37	
Furniture and furnishings (including janitors' supplies):—			
New Furniture and furnishings:—			
Commercial equipment, R. M. T. S.	$2,496 00		
Machine shop equipment	3,885 65		
Electrical equipment	883 92		
Equipment, chemical laboratory	518 32		
Gymnasium equipment, Latin School	1,150 68		
Fire extinguishers	350 00		
		9,284 57	
Repairs and replacements:—			
Acid	$4 76		
Ash barrels	55 00		
Asphaltum	21 20		
Baskets	27 00		
Drinking cups	10 27		
Dusters, brooms, brushes, etc.	610 55		
Dustoline	11 75		
Electrical supplies	54 10		
Furniture and furnishings	4,681 82		
Hardware, tools and boiler supplies	192 65		
Hose	7 50		
Ladder	3 50		
Oil	5 10		
Paint, putty, etc.	86 35		
Sawdust	36 00		
Soap and soap powder	124 38		
Stand for carboy	7 50		
Teaming	69 00		
Toilet paper	183 50		
		6,191 93	
Repairs on buildings:—			
Services of Supt. of Buildings	$1,000 00		
Advertising	20 00		
Blackboards and slate work	276 05		
Carpentry	5,703 13		
Covering pipes	582 75		
Amounts carried forward	$7,581 93	$480,308 13	$524,887 74

Education—Continued.

SCHOOL DEPARTMENT—Concluded.

Amounts brought forward	$7,581 93	$480,308 13	$524,887 74
Floor in gymnasium, Latin School .	852 00		
Heating and ventilating apparatus .	5,043 19		
Lighting apparatus and electrical work (including $94.20 transfer) .	736 52		
Mason work	2,003 17		
Metallic lathing	150 00		
Painting, whitening, glazing, etc. .	8,451 93		
Plastering	285 02		
Plumbing and drain work . .	1,298 05		
Pumping water from basement .	47 89		
Roof repairs	1,870 46		
Sundry repairs	2 45		
		28,322 61	
Miscellaneous expenses:—			
Salaries of unassigned teachers .	$1,528 00		
Boiler insurance	170 00		
Fences and repairs	1,198 57		
Granolithic walks	44 13		
Flags and flag-poles	436 60		
Maintenance of horse and carriage of Superintendent of Schools .	192 20		
Maintenance of horse and carriage of Superintendent of Buildings (half expense)	215 17		
Expenses of graduation exercises in Sanders Theatre	49 60		
Services of truant officers at class meeting	5 00		
Traveling expenses of Superintendent	8 98		
Taking school census and copying .	537 89		
		4,386 14	
Total, including $94.20 transfer . .			513,016 88
Surplus of appropriation transferred to Contingent Fund . .			$11,870 86

WELLINGTON SCHOOL.

REPAIRING FIRE DAMAGE.

Appropriation		$567 03
EXPENDED.		
For electrical work	$4 55	
Plastering	41 20	
Repairing chimney	34 99	
Shellacing and tinting . . .	20 76	
Teaming rubbish	38 50	
Temporary roof and removing debris .	397 11	
Total		537 11
Surplus of appropriation relinquished to general treasury . .		$29 92

Education—Concluded.

WELLINGTON SCHOOL—Concluded.

ALTERATIONS AND ADDITION.

Appropriation		$85,000 00
EXPENDED.		
For advertising	$176 25	
Clock repairs	60 85	
Contracts:—		
Alterations, John B. Byrne	7,695 05	
Additions, Walsh Bros.	23,700 62	
Plans, Edw. T. P. Graham	1,590 00	
Steamfitting, J. J. Hurley & Co.	1,524 35	
Electric wiring	284 24	
Enclosing stock room, etc.	57 70	
Grills	12 64	
Hardware	70 00	
Inspecting concrete	68 00	
Painting blackboards	12 00	
Removing desks and chairs	53 53	
Repairing gongs	12 15	
Shades	30 40	
Turning water on, Water Department (transfer)	1 00	
Plumbing	208 81	
Total, including $1.00 transfer		35,557 59
Balance of appropriation		$49,442 41

LIBRARIES AND READING ROOMS.

CENTRAL LIBRARY.

SALARIES.

Appropriation		$11,550 00
EXPENDED.		
For salaries of:—		
Librarian	$2,250 00	
Head assistant	1,000 00	
Other regular assistants	5,798 29	
Sunday assistants, substitutes and pages	1,041 27	
Janitor and assistant	1,560 00	
Total		11,649 56
Excess of expenditure over appropriation		$99 56
Transfer from General Expenses		100 00
Balance relinquished to general treasury		$ 44

Libraries and Reading Rooms—Continued.

CENTRAL LIBRARY—Continued.

GENERAL EXPENSES.

Appropriation	$10,400 00

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.

For fines	$938 37	
Paper stock	5 41	
	$943 78	

EXPENDED.

For books and periodicals		$5,297 00	
Fuel and Light:—			
Fuel	$488 90		
Electric lighting	285 60		
Gas lighting	334 11		
		1,108 61	
Other library expenses:—			
Assessment, Library Art Club	$6 00		
Baskets	10 00		
Binding and binders	1,414 37		
Car tickets	5 00		
Delivering books to local stations	417 75		
Electrical supplies	11 27		
Expressage	63 65		
Furniture, furnishings and repairs	64 35		
Hardware, tools, etc.	50 92		
Ice	6 57		
Inspection of boilers	10 00		
Insurance	180 00		
Laundry work	12 27		
Local stations	390 33		
Printing bulletins	395 00		
Refitting and lettering picture mat	4 25		
Repairs to building:—			
Packing stack	$27 28		
Painting	31 23		
Plumbing	2 27		
Repairing boilers	56 98		
Roof repairs	20 64		
Steamfitting	32 54		
Shelves	17 43		
	188 37		
Signs, cleaning and lettering	6 00		
Stationery and office supplies:—			
Postage and Stationery Account (transfer)	$106 24		
Sundry Persons	371 95		
	478 19		
Telephone service	81 47		
Amounts carried forward	$3,795 76	$6,405 61	$10,400 00

Libraries and Reading Rooms—Continued.

CENTRAL LIBRARY—Concluded.

Amounts brought forward	$3,795 76	$6,405 61	$10,400 00
Typewriter and repairs	97 12		
Sundries	92		
		3,893 80	
Total, including $106.24 transfer			10,299 41
Surplus of appropriation			$100 59
Transfer to Salaries			100 00
Balance relinquished to general treasury			$ 59

ANNIVERSARY CELEBRATION.

Appropriation		$200 00
EXPENDED.		
For carriage hire	$1 50	
Decorations	10 00	
Lumber	5 79	
Pictures and charts	13 75	
Printing "History of Cambridge Public Library"	116 71	
Programs, tickets, etc.	16 75	
Removing and replacing chandeliers	7 25	
Services	8 25	
Stenographer	10 00	
Use of piano	10 00	
Total		200 00

EAST CAMBRIDGE BRANCH LIBRARY.

SALARIES.

Appropriation		$1,039 50
EXPENDED.		
For salaries of:—		
Custodian	$700 00	
Assistant	81 89	
Janitor	182 50	
Total		964 39
Surplus of appropriation		$75 11
Transfer to General Expenses		75 00
Balance relinquished to general treasury		$ 11

GENERAL EXPENSES.

Appropriation			$1,400 00
EXPENDED.			
For books and periodicals		$653 11	
Lighting		82 26	
Other library expenses:—			
Assessment, Library Art Club	$1 00		
Amounts carried forward	$1 00	$735 37	$1,400 00

Libraries and Reading Rooms—Continued.

EAST CAMBRIDGE BRANCH LIBRARY—Concluded.

Amounts brought forward	$1 00	$735 37	$1,400 00
Binding and binders	80 00		
Furniture, furnishings and repairs	185 55		
Insurance	42 00		
Repairs to building:—			
Carpentry $272 00			
Painting 99 00			
	371 00		
Stationery and office supplies	59 92		
		739 47	
Total			1,474 84
Excess of expenditure over appropriation			$74 84
Transfer from Salaries			75 00
Balance relinquished to general treasury			$ 16

NORTH CAMBRIDGE BRANCH LIBRARY.

SALARIES.

Appropriation		$1,110 50
EXPENDED.		
For salaries of:—		
Custodian	$632 07	
Assistants	372 13	
Janitor and substitute	216 00	
Total		1,220 20
Excess of expenditure over appropriation		$109 70
Transfer from General Expenses		110 00
Balance relinquished to general treasury		$ 30

GENERAL EXPENSES.

Appropriation			$2,500 00
EXPENDED.			
For books and periodicals		$1,811 82	
Lighting		130 08	
Other library expenses:—			
Assessment, Library Art Club	$6 00		
Binding	135 18		
Expressage	1 40		
Furniture, furnishings, etc.	39 09		
Insurance	48 00		
Pictures	107 25		
Amounts carried forward	$336 92	$1,941 90	$2,500 00

Libraries and Reading Rooms—Continued.

NORTH CAMBRIDGE BRANCH LIBRARY—Concluded.

Amounts brought forward	$336 92	$1,941 90	$2,500 00
Stationery and office supplies:—			
Postage and Stationery Account (transfer) . . . $5 00			
Sundry Persons . . 104 55			
	109 55		
Sundries	1 45		
		447 92	
Total, including $5.00 transfer . . .			2,389 82
Surplus of appropriation			$110 18
Transfer to Salaries			110 00
Balance relinquished to general treasury . . .			$ 18

RECREATION.

PARK DEPARTMENT, CONSTRUCTION.

Appropriation brought forward			$1,550 23
New appropriations			42,000 00
			$43,550 23
EXPENDED.			
For General Account:—			
Labor, as per pay-roll . . .	$234 00		
Hardware, tools, etc. . . .	8 66		
Teaming	27 00		
		$269 66	
New Tool House:—			
Contract	$1,599 00		
Lumber	3 44		
Paint	14 85		
Wire netting	27 00		
		1,644 29	
Nursery:—			
Labor, as per pay-roll . . .	$144 00		
Fuel	5 74		
		149 74	
River Parkway:—			
Section A—			
Filling	$219 51		
Section B—			
Labor, as per pay-roll . $7,017 72			
Advertising . . . 10 00			
Filling 328 73			
Hardware, tools, etc. . 25 09			
Plans of landscape architects . . . 41 55			
Plants, trees, etc. . 32 50			
Pipe, Water Department (transfer) . . 74			
Amounts carried forward . . $7,456 33	$219 51	$2,063 69	$43,550 23

Recreation—Continued.

PARK DEPARTMENT, CONSTRUCTION—Continued.

Amounts brought forward . .	$7,456 33	$219 51	$2,063 69	$43,550 23
Raft repairs and towing	6 26			
Teaming . . .	3,071 37			
Use of steam roller .	35 00			
Wrought iron fence .	270 00			
		10,838 96		
Section C—				
Labor, as per pay-roll .	$1,875 33			
Carriage hire . .	24 00			
Dinners . . .	36 30			
Expressage . . .	1 20			
Filling	3,701 19			
Fuel	9 08			
Gravel	449 88			
Hardware, tools, etc. .	46 55			
Plans	150 00			
Plants, shrubs and trees	22 50			
Repairing tool-house .	18 93			
Stakes . . .	34 37			
Teaming . . .	297 75			
Use of steam roller .	130 00			
Watering roadway .	10 00			
		6,807 08		
Section D—				
Labor, as per pay-roll .	$620 19			
Filling	3,402 58			
Hardware, tools, etc. .	1 95			
Seed	3 50			
Stakes	34 25			
Stone, Street Department (transfer) . .	12 00			
Special road treatment	159 50			
Teaming . . .	3 00			
		4,236 97		
Section E—				
Labor, as per pay-rolls .	$230 67			
Hardware, tools, etc. .	3 35			
Lumber . . .	8 16			
Razing buildings . .	30 80			
Stone	51 00			
		323 98		
Section F—				
Labor, as per pay-roll .	$3,517 07			
Advertising . . .	20 25			
Edgestone . . .	45 97			
Filling . . .	2,042 77			
Fuel	12 55			
Hardware, tools, etc. .	10 59			
Lawn seats . . .	48 00			
Stakes	32 55			
Teaming	540 00			
Use of steam roller .	60 00			
Watering roadway .	68 75			
		6,398 50		
			28,825 00	
Amounts carried forward . .			$30,888 69	$43,550 23

Recreation—Continued.

PARK DEPARTMENT, CONSTRUCTION—Concluded.

Amounts brought forward		$30,888 69	$43,550 23
Rebuilding Sea-Walls:—			
Labor, as per pay-roll	$1,375 45		
Inspectors	416 00		
Advertising	29 37		
Contract for rebuilding walls	7,509 00		
Cutting piles and splitting stone	55 75		
Hardware, tools, etc.	27 17		
Labor and use of lighters, etc.	887 25		
Lumber	75 65		
Rubber boots	27 75		
Stone	42 00		
Teaming	442 50		
		10,887 89	
Rindge Field:—			
Labor, as per pay-roll	$1,120 87		
Hardware, tools, etc.	14 63		
Lumber	6 55		
Pipe and fittings	34 45		
Plans of landscape architects	150 00		
Seed	3 00		
		1,329 50	
East Cambridge Embankment:—			
Plans of landscape architects		289 00	
Total, including $12.74 transfers			43,395 08
Balance of appropriation			$155 15

PARK DEPARTMENT, MAINTENANCE.

SALARIES.

Appropriation		$2,300 00
EXPENDED.		
For salary of General Superintendent	$1,500 00	
Clerk	805 00	
		2,305 00
Excess of expenditure over appropriation		$5 00
Transfer from Cambridge Field and Shelter		5 00

GENERAL EXPENSES.

Appropriation		$1,400 00
DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.		
For rents	$1,687 60	
Use of parkway	500 00	
Sale of boat-house	1,000 00	
Rebate on insurance	32 40	
Horse	129 72	
Grass	14 00	
Labor	8 13	
Materials	5 00	
	$3,376 85	
Amount carried forward		$1,400 00

Recreation—Continued.

PARK DEPARTMENT, MAINTENANCE—Continued.

GENERAL EXPENSES—Concluded.

Amount brought forward			$1,400 00
	EXPENDED.		
For bicycle repairs		$6 50	
Car tickets		25 00	
Dinners		110 80	
Directory		4 00	
Fuel		5 74	
Hardware, tools, etc.:—			
Street Dept. (transfer) . . .	$3 28		
Sundry Persons	64 93		
		68 21	
Harness and repairs, etc.:—			
Street Dept. (transfer) . . .	$ 69		
Sundry Persons	24 85		
		25 54	
Hay, grain and straw. . . .		35 66	
Horse board		211 62	
Horseshoeing:—			
Street Dept. (transfer) . . .	$33 46		
Sundry Persons	25 75		
		59 21	
Lighting		2 00	
Lumber		4 48	
Making boxes		19 00	
Oil		6 00	
Photographs and photographic supplies		3 87	
Rent of stable and yard . . .		90 00	
Signs		38 70	
Stakes		32 63	
Stationery, printing and office supplies:—			
Postage and Stationery Account (transfer)	$41 68		
Sundry Persons	138 02		
		179 70	
Telephone service		149 53	
Wagon and carriage repairs:—			
Street Dept. (transfer) . . .	$37 33		
Sundry Persons	65 75		
		103 08	
Total, including $116.44 transfer . .			1,181 27
Surplus of appropriation			$218 73
Transfers:—			
From Rindge Field			74 00
From Bath House			104 00
			$396 73
Transfer to Street Department, Maintenance . .			396 00
Balance relinquished to general treasury . . .			$ 73

Recreation—Continued.

CAMBRIDGE FIELD AND SHELTER.

Appropriation			$6,000 00

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.

For use of towels, etc.	$366 37	

EXPENDED.

For Cambridge Field:—			
Labor, as per pay-roll	$1,806 00		
Bases	3 50		
Hardware, tools, etc	60 76		
Lighting	630 00		
Lumber	7 36		
Stakes	42 77		
Stock and labor, Water Department (transfer)	9 96		
		$2,560 35	
The Shelter:—			
Salaries of:—			
Janitor	$1,040 00		
Matron	520 00		
Cleaner	780 00		
Disinfectant	10 75		
Fuel	516 80		
Hardware, tools, etc.	37 48		
Laundering towels	193 41		
Lumber	8 90		
Lighting	90 96		
Plumbing	50 53		
Repairing ceiling	40 00		
Soap and soap powder	84 38		
Toilet paper	19 50		
Towels	40 00		
Sundries	1 75		
		3,434 46	
Total, including $9.96 transfer			5,994 81
Surplus of appropriation			$5 19
Transfer to Salaries			5 00
Balance relinquished to general treasury			$ 19

COMMONS, SQUARES AND PUBLIC GROUNDS.

Appropriation		$4,100 00

EXPENDED.

For labor, as per pay-roll	$3,381 07	
Bases	3 50	
Hardware, tools, etc.	49 58	
Hose	50 00	
Amounts carried forward	$3,484 15	$4,100 00

Recreation—Continued.

COMMONS, SQUARES AND PUBLIC GROUNDS—Concluded.

Amounts brought forward	$3,484 15	$4,100 00
Housing flag-poles	14 00	
Lighting	330 00	
Lumber	11 03	
Paint	6 25	
Printing	4 50	
Repairing iron fence	27 00	
Seeds	6 00	
Setting top-masts and repairing flag-pole	115 00	
Stakes	11 40	
Teaming	90 50	
Total		4,099 83
Surplus of appropriation relinquished to general treasury		$ 17

RIVER PARKWAY, SECTIONS A, B, D, AND F.

Appropriation			$4,800 00
	EXPENDED.		
For Section A—			
Lighting		$207 24	
Section B—			
Labor, as per pay-roll	$1,211 75		
Insecticide	10 35		
Lighting	769 56		
Plants	10 25		
Raft and float repairs	2 79		
Watering roadway	203 75		
		2,208 45	
Section D—			
Labor, as per pay-roll	$653 00		
Lighting	577 90		
Watering roadway	175 00		
		1,405 90	
Section F—			
Labor, as per pay-roll	$652 25		
Lighting	375 57		
Watering roadway	132 50		
		1,160 32	
Total			4,981 91
Excess of expenditures over appropriation			$181 91
Transfer from Rindge Field			182 00
Balance relinquished to general treasury			$ 09

Recreation—Continued.

RIVER PARKWAY, SECTIONS G AND H.

Appropriation		$2,000 00
EXPENDED.		
For labor, as per pay-roll	$1,071 00	
Lighting	769 68	
Paint, wire, etc.	20 86	
Painting signs	12 76	
Stakes	18 50	
Watering roadway	106 88	
Total		1,999 68
Surplus of appropriation relinquished to general treasury		$ 32

RINDGE FIELD.

Appropriation		$1,000 00
EXPENDED.		
For salary of matron of shelter	$223 33	
Labor, as per pay-roll	228 00	
Bases	3 50	
Couch	17 00	
Hardware	2 85	
Ice	8 20	
Lighting	251 16	
Water coolers	9 50	
Total		743 54
Surplus of appropriation		$256 46
Transfers:—		
To Section A, B, D and F	$182 00	
To General Account	74 00	
		256 00
Balance relinquished to general treasury		$ 46

SAND GARDENS.

Appropriation		$200 00
EXPENDED.		
For labor, as per pay-roll	$69 00	
Lumber	32 54	
Sand	55 50	
Teaming	42 00	
Total		199 04
Surplus of appropriation relinquished to general treasury		$ 96

Recreation—Continued.

BATH HOUSE, CAPTAIN'S ISLAND.

Appropriation		$2,300 00

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.

For use of suits, towels, etc.	$1,705 21

EXPENDED.

For salaries of:—		
Bath-house keepers	$670 25	
Life guards	316 00	
Matrons	252 85	
Labor, as per pay-roll	82 00	
Bathing suits, stockings, etc.	25 46	
Hardware and supplies	27 25	
Laundry work	399 41	
Lighting	154 32	
Lumber	11 16	
Medical supplies	1 64	
Plumbing	9 99	
Printing and stationery (including $1.20 transfer)	55 70	
Repairing lock	55	
Rope	18 59	
Sand	144 00	
Telephone service	5 80	
Towels	20 00	
Turning on water, Water Department (transfer)	1 00	
Total, including $2.20 transfer		2,195 97
Surplus of appropriation		$104 03
Transfer to General Account		104 00
Balance relinquished to general treasury		$ 03

CELEBRATION OF MEMORIAL DAY.

Appropriation		$1,100 00

EXPENDED.

For celebration of Memorial Day by Grand Army and Spanish War Veterans	$1,100 00	
Total		1,100 00

CELEBRATION OF INDEPENDENCE DAY.

Appropriation		$1,200 00

EXPENDED.

For labor, as per pay-roll	$16 00	
Balls	10 00	
Amounts carried forward	$26 00	$1,200 00

Recreation—Continued.

CELEBRATION OF INDEPENDENCE DAY—Concluded.

Amounts brought forward	$26 00	$1,200 00
Erecting band-stands	50 00	
Fireworks	750 00	
Games	108 75	
Handicapping	11 40	
Music	300 00	
Printing	10 00	
Prizes	100 00	
Sanction for games by Amateur Athletic Union	10 00	
Services as umpires	20 00	
Use of chairs	10 88	
Total		1,397 03
Excess of expenditure over appropriation		$197 03
Transfer from Contingent Fund		200 00
Balance relinquished to general treasury		$2 97

CELEBRATION OF LABOR DAY.

Appropriation		$300 00
EXPENDED.		
For badges	$4 00	
Balls	5 00	
Games	50 00	
Handicapping	10 00	
Incidentals	10 43	
Printing	5 50	
Prizes	185 00	
Refreshments	10 00	
Sanction for games by Amateur Athletic Union	10 00	
Services as umpires	10 00	
Total		299 93
Surplus of appropriation relinquished to general treasury		$ 07

SOLDIERS' BENEFITS.

STATE AID.

Appropriation		$30,000 00
DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.		
For State Aid	$14,984 00	
Military Aid	454 00	
Soldiers' Burials	648 00	
Amounts carried forward	$16,086 00	$30,000 00

Soldiers' Benefits—Continued.

STATE AID—Concluded.

Amounts brought forward . .	$16,086 00	$30,000 00
Soldiers' relief from other cities and towns	124 00	
Board	327 00	
Amounts on pay-rolls not called for . . .	461 00	
	$16,998 00	

EXPENDED.

For expense of administration:—			
Salary of clerk	$504 14		
Burial agent	60 00		
Stationery and office supplies (including $16.26 transfer) . .	77 66		
		$641 80	
State Aid, sundry persons, as per pay-roll		14,276 00	
Military Aid, sundry persons, as per pay-roll		898 00	
Soldiers' burials		1,015 00	
Soldiers' relief:—			
Sundry Persons, as per pay-roll .	$13,136 00		
City of Lynn	15 50		
City of Marlborough . . .	44 00		
Town of Hudson	3 25		
Board and care:—			
Overseers of the Poor . . .	620 99		
State Board of Insanity . .	360 00		
Cambridge Relief Hosp. . . .	135 00		
Holy Ghost Hospital . . .	62 00		
Sundry persons	227 98		
Carriage and ambulance hire	18 00		
Fuel	69 18		
Groceries	76 00		
Services of physicians . . .	55 00		
Services of watcher . . .	22 50		
		14,845 40	
Total, including $16.26 transfer . .			31,676 20
Excess of expenditure over appropriation . .			$1,676 20
Transfer from Police Department, Salaries . .			1,700 00
Balance relinquished to general treasury . . .			$23 80

UNCLASSIFIED.

DAMAGES TO PERSONS AND PERSONAL PROPERTY.

Appropriation			$3,000 00
	EXPENDED.		
For executions of court:—			
Margaret M. Ackert	$700 00		
Rosalie Couter	350 00		
Jean B. Seebrick	525 00		
Lafayette J. Ladd	200 00		
		$1,775 00	
Damages awarded:—			
F. E. Burrage	$5 00		
Margaret A. Flanagan	50 00		
Ernest Frey	9 50		
Jane L. Gibbs	5 00		
Jennie C. Hezlitt	15 00		
B. S. Hurlbut	8 64		
Harold Kelley	65 00		
Madeline M. Kroepsch	20 00		
Evangeline LaCroix	150 00		
Dennis F. Leahy	7 00		
Ellen Long	100 00		
Mary A. Mason	100 00		
Michael J. Murphy	5 63		
John W. Nichols	50 00		
Ellen Parsons	16 40		
Mrs. A. J. Sylvester	15 00		
		622 17	
Services of physician		150 00	
Total			2,547 17
Surplus of appropriation			$452 83
Transfer to Contingent Fund			400 00
Balance relinquished to general treasury			$52 83

INTEREST.

Appropriation brought forward		$8,688 16
Annual appropriation		267,516 50
		$276,204 66

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY.

For interest on bank deposits	$5,043 86	
Interest on overdue taxes	11,464 32	
Interest on special assessments:—		
Sidewalk	106 48	
Sewer	30 46	
Accrued interest on bonds	1,047 04	
	$17,692 16	
Amount carried forward		$276,204 66

Interest—Continued.

Amount brought forward		$276,204 66
EXPENDED.		
For interest:—		
On loans in anticipation of taxes	$9,175 71	
On Trust Funds:—		
Sanders Temperance Fund	600 00	
Daniel White Charity	300 00	
Dowse Fund	600 00	
On Bonds:—		
Building Loans	13,545 00	
Cambridge Bridge Loans	57,910 00	
Cambridge Bridge Special Loan	980 00	
Commercial Avenue Bridge Loan	2,000 00	
Harvard Bridge Loans	17,140 00	
Cemetery Loans	245 00	
City Loans	16,470 75	
Clay Land Loans	3,645 00	
Hospital Loans	610 00	
Metropolitan Park Assessment Loan	1,610 00	
Park Loans	57,260 00	
Public Library Loan	945 00	
Schoolhouse Loans	31,570 75	
Sewer Loans	35,285 00	
Street Loans	30,550 00	
Total		280,442 21
Excess of expenditures over appropriation		$4,237 55
Transfer from Contingent Fund		4,250 00
Balance relinquished to general treasury		$12 45

INTEREST ON WATER LOAN.

Appropriation brought forward	$2,994 94
Annual appropriation	148,062 00
	$151,056 94

DEPARTMENT RECEIPTS CARRIED TO CREDIT OF WATER WORKS.

For accrued interest	$139 44

EXPENDED.		
For interest on water loans	$148,387 75	
Total		148,387 75
Surplus of appropriation		$2,669 19

CEMETERIES.

CAMBRIDGE CEMETERY.

SALARIES AND LABOR.

Appropriation		$15,000 00
EXPENDED.		
For salaries of:—		
Superintendent	$2,000 03	
Clerk	1,109 66	
Foreman	1,156 38	
Clerk of Board	200 00	
Labor, as per pay-roll	10,959 49	
Total		15,425 56
Excess of expenditures over appropriation		$425 56
Transfer from Rebuilding Wall		500 00
Balance relinquished to general treasury		$74 44

GENERAL EXPENSES.

Appropriation		$3,000 00
Department Receipts Carried to General Treasury.		
For brick and slate graves	$507 00	
Burials	3,177 00	
Care of lots	2,530 61	
Chapel	36 00	
Foundations	1,135 66	
Grass	23 00	
Interest on Cemetery Fund	2,884 93	
Repairs	255 36	
Rent	84 00	
Sundries	260 50	
Sales of lots and graves	6,586 50	
	$17,480 56	
EXPENDED.		
For general administration:—		
Carriage hire		$28 00
Car tickets		25 00
Copper roof on office		95 00
Directory		4 00
Fuel		80 36
Gas distributor		50
Lighting		9 27
Safety box		35 00
Stationery, printing, etc.:—		
Postage and Stationery Account (transfer)	$54 57	
Amounts carried forward	$54 57	$277 13 $3,000 00

Cemeteries—Continued.

CAMBRIDGE CEMETERY—Concluded.

Amounts brought forward	$54 57	$277 13	$3,000 00
Sundry Persons	102 57		
		157 14	
Subscription		1 00	
Telephone service		51 30	
Towels		3 00	
			$489 57
Bricks and brick grave			46 00
Cement			54 35
Decorating monument			20 00
Granite markers			65 15
Gravel, sand and stone dust			411 02
Hardware, tools, etc.			231 79
Harness and repairs			5 25
Hay and grain			99 51
Hemlock boughs			13 20
Horse			75 00
Horseshoeing			16 75
Hose			135 00
Lowering device			74 26
Lumber			44 98
Manure			259 22
Plants, seeds, etc.			94 50
Removing moth nests			150 00
Sign posts			54 00
Slate vaults, cremation boxes, etc.			513 03
Snow plow			57 50
Sods			75 00
Tanglefoot			8 44
Teaming			6 00
Total, including $54.57 transfer			$2,999 52
Surplus of appropriation relinquished to general treasury			$0 48

REBUILDING WALL.

Appropriation	$1,000 00

EXPENDED.

For labor, as per pay-roll	$363 25	
Cement	126 77	
Sand	9 00	
Total		499 02
Surplus of appropriation		$500 98
Transfer to Salaries		500 00
Balance relinquished to general treasury		$0 98

MUNICIPAL INDUSTRIES.

WATER WORKS.

CONSTRUCTION—GENERAL.

Appropriation brought forward	$965 34
New appropriation	17,000 00
	$17,965 34

DEPARTMENT RECEIPTS CARRIED TO CREDIT OF WATER WORKS.

For amount received from Charles River Basin Commission in connection with building of Broad Canal Conduits	$4,500 00
Labor and materials	1,076 60
Refund of overcharge on bill	11 80
Premium on bonds sold	2,347 80
	$7,936 20

EXPENDED.

For labor, as per pay-roll	$3,060 46	
Advertising	27 75	
Boxes	325 25	
Cement and pipe, Sewer Dept. (transfer)	4 13	
Drinking fountain	40 25	
Expressage and freight	18 81	
Fountain repairs	2 50	
Gates and valves	355 99	
Hydrants	545 00	
Hydrant cocks	96 00	
Lead	563 37	
Lead wool	10 50	
Meters	270 00	
Proportion of amount received from Charles River Basin Commission for Broad Canal Conduits:—		
Cambridge Gas Light Co.	1,800 00	
Pipe and castings	8,800 66	
Sand, Street Dept. (transfer)	2 00	
Standard Specifications	1 20	
Total, including $6.13 transfer		15,923 87
Balance of appropriation		$2,041 47

CONSTRUCTION—METERS.

Appropriation brought forward		$2,333 95
EXPENDED.		
For labor, as per pay-roll	$541 00	
Boxes	17 40	
Amounts carried forward	$558 40	$2,333 95

Municipal Industries—Continued.

WATER WORKS—Continued.

CONSTRUCTION—METERS—Concluded.

Amounts brought forward		$558 40	$2,333 95
Cement:—			
Sewer Dept. (transfer)	$6 47		
Sundry Persons	7 12		
		13 59	
Expressage		2 70	
Fittings and supplies		256 87	
Meters and couplings		1,501 45	
Total, including $6.47 transfer			2,333 01
Balance of appropriation			$0 94

CONSTRUCTION—METERS, COMPULSORY.

Appropriation brought forward		$986 50
EXPENDED.		
For labor, as per pay-roll	$246 50	
Meters	738 95	
Total		985 45
Balance of appropriation		$1 05

CONSTRUCTION—HOBBS BROOK CONDUIT.

Appropriation brought forward			$10,501 63
EXPENDED.			
For attendance at court		$10 00	
Examination of titles		75 00	
Damages for injuries, Michael H. Sullivan		84 00	
Damages for land taken, etc.:—			
Wm. A. Carroll, *et al.*	$700 00		
Catherine B. Carroll	300 00		
Patrick and Margaret Condon	650 00		
Fred E. Critchett	84 75		
Michele and Angelina Damellia	255 00		
Ann Flood	500 00		
Abbie M. Gardner, Mabelle D. Dickinson and Alma C. Whitney, heirs of Samuel Walker	763 05		
Mary E. Harrison	2,350 00		
Angelo Jacobson	725 00		
Renton M. Perley	382 47		
Carmela F. Scipione	125 00		
		6,835 27	
Amounts carried forward		$7,004 27	$10,501 63

Municipal Industries—Continued.

WATER WORKS—Continued.

CONSTRUCTION, HOBBS BROOK CONDUIT—Concluded.

Amounts brought forward		$7,004 27	$10,501 63
Damages for illegal discharge:—			
Frank J. O'Reilley		247 00	
Recording deeds, and making certified copies		24 25	
Services of experts and witnesses		540 00	
Transcript of testimony		27 80	
Total			7,843 32
Balance of appropriation			$2,658 31

CONSTRUCTION—HOBBS BROOK CONDUIT EXTENSION.

Appropriation			$20,000 00
EXPENDED.			
For labor, as per pay-roll		$6,559 30	
Services as inspector		100 00	
Arlington Street syphon:—			
Labor, Town of Watertown	$4,873 86		
Services of engineer	300 00		
Fuel	66 48		
Oil	24 95		
Sand	21 00		
Sharpening	26 85		
Water and materials, Town of Watertown	56 80		
Sundries	9 55		
		5,379 49	
Automobile hire for paymaster		28 00	
Bricks		180 07	
Building gate chamber		52 50	
Carbolic acid		7 07	
Car fares of laborers		282 00	
Car tickets		55 00	
Car service		34 00	
Cement		228 43	
Crushed stone		42 50	
Cutting concrete		6 75	
Expressage		4 45	
Expense of B. & M. R.R. on account of pipe crossing		101 58	
Gates and fittings		114 39	
Hardware, tools, etc.		107 29	
Inspection of pipe line		10 00	
Lumber		43 41	
Oil and tank		27 00	
Photographs		12 00	
Pipe and fittings:—			
Sewer Department (transfer)	$1 68		
Sundry Persons	4,375 24		
		4,376 92	
Amounts carried forward		$17,752 15	$20,000 00

Municipal Industries—Continued.

WATER WORKS—Continued.

CONSTRUCTION, HOBBS BROOK CONDUIT EXTENSION—Concluded.

Amounts brought forward	$17,752 15	$20,000 00
Repairing service pipe, City of Waltham	14 15	
Resurfacing street over pipe line in Waltham	92 02	
Services of physicians	35 00	
Stationery	1 00	
Teaming	339 20	
Telephone service	15 37	
Total, including $1.68 transfer		18,248 89
Balance of appropriation		$1,751 11

MAINTENANCE, SALARIES OF SUPERINTENDENT, REGISTRAR, CLERK OF BOARD, INSPECTORS AND CLERKS.

Appropriation		$12,000 00
EXPENDED.		
For salaries of:—		
Superintendent	$2,219 33	
Registrar and Clerk of Board	2,521 58	
Inspectors	3,030 99	
Clerks	4,333 25	
Total		12,105 15
Excess of expenditures over appropriation		$105 15
Transfer from Maintenance General		110 00
Balance of appropriation		$4 85

MAINTENANCE GENERAL AND RESERVOIRS.

Appropriation		$45,750 00
DEPARTMENT RECEIPTS CARRIED TO CREDIT OF WATER WORKS.		
For rates	$366,403 48	
Maintenance	630 46	
Off and on	499 00	
Rent	144 00	
Seals	79 25	
Supply	5,215 41	
	$372,971 60	
Amount carried forward		$45,750 00

Municipal Industries—Continued.

WATER WORKS—Continued.

MAINTENANCE GENERAL AND RESERVOIRS—Continued.

Amount brought forward		$45,750 00
EXPENDED.		
For Maintenance general:—		
Labor, as per pay-roll	$16,903 07	
Salary of Treasurer of Sinking Funds	200 00	
Advertising	7 00	
Analysis of water	20 00	
Automobile supplies and repairs	214 65	
Boiler repairs	98 69	
Boxes	138 00	
Carriage and wagon repairs	194 40	
Carriage hire	260 00	
Car tickets	150 00	
Cleaning water main	294 00	
Concord buggy	150 00	
Damages to child, Peter and Mary Igo	50 00	
Expenses of B. & A. R.R., watching tracks	5 83	
Electrical expert	200 00	
Electrical supplies	17 05	
Expressage and freight	38 59	
Fountain repairs	104 84	
Fuel	88 10	
Grain	675 56	
Hardware, tools and supplies:—		
Park Dept. (transfer) $1 50		
Sewer Dept. (transfer) 64		
Sundry Persons 341 94		
	344 08	
Harness and repairs, etc.	44 45	
Horseshoeing and clipping (including $1.58 transfer)	322 08	
Hose, rubber boots, goods and rope	40 77	
Hydrant fittings and repairs	21 30	
Ice for pipe-yard	6 63	
Inspection by Water Board:—		
Automobile hire $360 50		
Dinners 200 15		
	560 65	
Landing pipe	4 23	
Lighting yard	11 34	
Lumber and cement	53 64	
Meter repairs	499 16	
Motor service	60 16	
Oil, soap and salt	22 60	
Paper and twine	4 05	
Paving bricks	12 28	
Pipe and fittings	1,995 98	
Pipe-cutting machine	114 80	
Plumbing and supplies	11 25	
Refund	8 17	
Repairs on buildings	16 85	
Repairing heater	5 90	
Repairing collapsed boiler	10 00	
Rent of box for sinking funds	40 00	
Amounts carried forward	$24,020 15	$45,750 00

Municipal Industries—Continued.

WATER WORKS—Continued.

MAINTENANCE GENERAL AND RESERVOIRS—Continued.

Amounts brought forward		$24,020 15	$45,750 00
Sealing, Sealer of Weights and Measures (transfer)		2 10	
Standpipes and valves for street watering		106 42	
Street repairs:—			
Street Dept. (transfer)	$134 79		
Sundry Persons . .	36 78		
		171 57	
Tags		15 50	
Taxes on property in other cities and towns		1,448 90	
Valves		685 17	
Office expenses:—			
Addressograph . .	$200 02		
Directory . . .	4 00		
Stationery, printing, etc., including transfer $39.85 . . .	$200 02		
Subscriptions . .	13 50		
Telephone service . .	187 10		
Typewriter repairs .	4 15		
		982 67	
			$27,432 48
Fresh Pond Reservoir:—			
Labor, as per pay-roll . . .		$6,611 06	
Advertising		23 50	
Arsenate of lead		23 06	
Auctioneer		10 00	
Bicycle repairs		19 85	
Boat repairs		10 55	
Clothing destroyed		13 35	
Crushed stone		44 63	
Creosote		9 54	
Disparene		11 00	
Expense of B. & M. R.R. on account of drain		17 38	
Expressage		1 05	
Fence repairs		5 99	
Grain, etc.		116 10	
Hardware, tools, etc. . . .		20 58	
Harness repairs		1 25	
Horseshoeing, Street Department (transfer)		11 06	
Lumber		2 35	
Painting signs		31 50	
Photographs		8 00	
Posts		29 50	
Rubber boots		7 28	
Sanitary repairs		2 80	
Services of landscape architects .		124 54	
Teaming		88 75	
Wagon repairs		68 60	
			7,313 27
Amounts carried forward			$34,745 75 $45,750 00

Municipal Industries—Continued.

WATER WORKS—Continued.

MAINTENANCE GENERAL AND RESERVOIRS—Concluded.

Amounts brought forward		$34,745 75	$45,750 00
Hobbs Brook Reservoir:—			
Salary of keeper	$780 00		
Labor	104 00		
Boat repairs	1 45		
Grain	110 10		
Hardware and tools	17 27		
Harness and repairs . . .	7 45		
Horseshoeing	23 00		
Lumber	1 76		
Services of expert inspector . .	240 00		
Repairs to pump and heater . .	23 00		
Telephone service	23 63		
Wagon repairs	13 00		
		1,344 66	
Payson Park Reservoir:—			
Salary of keeper	$728 00		
Labor, as per pay-roll . . .	31 00		
Fuel	21 75		
Painting	29 58		
		810 33	
Stony Brook Reservoir:—			
Salary of keeper	$910 00		
Labor, as per pay-roll . . .	614 50		
Arching cesspools	5 00		
Blacksmithing	14 85		
Catch-basin materials . . .	11 88		
Cleaning cesspools and vaults . .	454 05		
Fuel	11 83		
Grain and storage for cleaning outfit	90 70		
Hardware and tools	35 04		
House repairs	223 01		
Horseshoeing	32 04		
Mowing	4 00		
Plumbing	2 05		
Pump	63 00		
Repairing hose, etc.	19 65		
Services of expert inspector . .	160 00		
Stone	3 00		
Teaming	6 75		
Telephone service	43 70		
Transportation	15 25		
Wagon repairs, etc. . . .	32 80		
Work on cess-pools	7 00		
Water tax, City of Waltham . .	14 00		
		2,774 10	
Total, including $191.52 transfers . .			39,674 84
Surplus of appropriation			$6,075 16
Transfers:—			
To Salaries		$110 00	
To Pumping, Salaries		275 00	
			385 00
Balance of appropriation			$5,690 16

Municipal Industries—Continued.

WATER WORKS—Continued.

FRESH POND GRADING.

Appropriation		$8,000 00
EXPENDED.		
For labor, as per pay-roll	$4,601 50	
Expressage	65	
Lumber	16 80	
Plow	20 77	
Seeds	30 40	
Services of landscape architects	339 50	
Teaming	2,990 38	
Total		8,000 00

FRESH POND SANITARY.

Appropriation brought forward		$373 29
EXPENDED.		
For labor, as per pay-roll	$319 25	
Cement, Sewer Dept. (transfer)	1 94	
Grate	50	
Painting sign	5 35	
Pipes, etc.	41 89	
Supplies	2 75	
Total, including $1.94 transfer		$371 68
Balance of appropriation		$1 61

MAINTENANCE, PUMPING, SALARIES AND LABOR.

Appropriation		$8,850 00
EXPENDED.		
For salaries of:—		
Engineer	$1,890 37	
Assistant	1,040 00	
Labor, as per pay-roll	6,165 55	
Total		9,095 92
Excess of expenditure over appropriation		$245 92
Transfer from Maintenance General		275 00
Balance of appropriation		$29 08

Municipal Industries—Continued.

WATER WORKS—Continued.

MAINTENANCE, PUMPING, GENERAL EXPENSES—Concluded.

Appropriation			$11,800 00
EXPENDED.			
For advertising		$52 88	
Carriage hire		2 00	
Cement:—			
Sewer Dept. (transfer)	$1 30		
Sundry Persons	2 99		
		4 29	
Disinfectant		3 75	
Electrical work and supplies		24 15	
Engine and boiler supplies and repairs		655 71	
Expressage		8 50	
Fuel		9,003 76	
Hardware, tools and supplies		108 71	
Ice		24 98	
Inspection of boilers		10 00	
Lumber		21 20	
Oil, waste and packing		594 14	
Painting and glazing		15 63	
Repairing generators		45 00	
Repairing register		11 00	
Repairing roof		73 87	
Repairing thermometers		7 25	
Rubber boots and repairs		7 59	
Sealing, Sealer of Weights and Measures (transfer)		1 39	
Telephone service		61 25	
Total, including $2.69 transfer			10,737 05
Surplus of appropriation			$1,062 95

METERS.

Appropriation			$8,000 00
EXPENDED.			
For labor, as per pay-roll		$795 50	
Advertising		15 00	
Cement:—			
Sewer Dept. (transfer)	$1 29		
Sundry Persons	4 46		
		5 75	
Check valves and fittings		88 28	
Expressage		10 45	
Lumber		59 00	
Meters		4,244 39	
Meter boxes		59 36	
Pipe and fittings		171 54	
Sand		4 00	
Total, including $1.29 transfer			5,453 27
Surplus of appropriation			$2,546 73

Municipal Industries—Continued.

WATER WORKS—Concluded.

ICE FOR FOUNTAINS.

Appropriation		$1,000 00
EXPENDED.		
For ice for drinking fountains	$726 48	
Total		726 48
Surplus of appropriation		$273 52

SERVICES OF CITY TREASURER AND CITY SOLICITOR.

Appropriation		$2,500 00
EXPENDED.		
For services of City Treasurer, collecting water rates, etc.:—		
Treasury Department (transfer)	$1,500 00	
Services and legal advice of City Solicitor:—		
Law Department (transfer)	1,000 00	
Total		2,500 00

ABATEMENTS AND REFUNDS.

Appropriation		$7,000 00
EXPENDED.		
For abatements of water bills, as per registrar's certificates	$2,767 21	
Refunds, as per registrar's certificates	1,613 90	
Total		4,381 11
Surplus of appropriation		$2,618 89

CAMBRIDGE WATER WORKS.

In account with the City of Cambridge for the year ending March 31, 1909.

RECEIPTS AND EXPENDITURES.

Balance, April 1, 1908	$11,466 97	Expended for:—	
Receipts from:—		Construction General	$15,923 87
Sale of bonds	37,000 00	Construction Meters	2,333 01
Premium on bonds	2,347 80	Construction Meters Compulsory	985 45
Miscellaneous	5,588 40	Hobbs Brook Conduit	7,843 32
		Hobbs Brook Conduit Extension	18,248 89
		Balance to credit of Construction Account	11,068 63
	$56,403 17		$56,403 17

Balance, April 1, 1908	$3,368 23	Expended for:—	
Receipts from:—		Maintenance	$80,292 71
Rates	366,403 48	Fresh P'd Grading and Sanitary	8,371 68
Accrued interest	139 44	Interest on Water Loan	148,387 75
Miscellaneous	6,568 12	Serial Water Bond	12,500 00
		Sinking Fund	122,538 00
		Abatements and Refunds	4,381 11
		Balance to credit of Maintenance Account	8 02
	$376,479 27		$376,479 27

SINKING FUNDS.

CAMBRIDGE BRIDGE.

Amount of Fund, Nov. 30, 1907	$76,135 45
Interest accumulations (1908)	3,292 89
Appropriation for 1908	20,733 33
Amount of Fund, March 31, 1909	$100,161 67

CAMBRIDGE BRIDGE SPECIAL.

Amount of Fund, Nov. 30, 1907	$1,904 41
Interest accumulations (1908)	83 34
Appropriation for 1908	616 00
Amount of Fund, March 31, 1909	$2,603 75

HARVARD BRIDGE.

Amount of Fund, Nov. 30, 1907	$207,706 20
Interest accumulations (1908)	8,505 75
Appropriation for 1908	8,800 00
Amount of Fund, March 31, 1909	$225,011 95

HOSPITAL.

Amount of Fund, Nov. 30, 1907	$1,195 07
Interest accumulations (1908)	50 68
Appropriations for 1908	225 00
Amount of Fund, March 31, 1909	$1,470 75

METROPOLITAN PARK ASSESSMENT.

Amount of Fund, Nov. 30, 1907	$5,375 25
Interest accumulations (1908)	227 96
Appropriation for 1908	1,012 00
Amount of Fund, March 31, 1909	$6,615 21

PARK.

Amount of Fund, Nov. 30, 1907	$276,728 30
Interest accumulations (1908)	11,460 90
Appropriation for 1908	24,586 66
Amount of Fund, March 31, 1909	$312,775 86

CLAY LAND.

Amount of Fund, Nov. 30, 1907	$60,019 15
Interest accumulations (1908)	2,485 76
Appropriation for 1908	5,335 00
Amount of Fund, March 31, 1909	$67,839 91

Sinking Funds—Continued.

BROOKLINE BRIDGE.

Amount of Fund, Nov. 30, 1907	$333 33
Interest accumulations (1908)	16 84
Appropriation for 1908	333 33
Amount of Fund, March 31, 1909	$683 50

COMMERCIAL AVENUE BRIDGE.

Amount of Fund, Nov. 30, 1907	$666 67
Interest accumulations (1908)	33 66
Appropriation for 1908	666 67
Amount of Fund, March 31, 1909	$1,367 00

IMPROVED SEWERAGE.

Amount of Fund, Nov. 30, 1907	$52,565 51
Interest accumulations (1908)	2,218 11
Appropriation for 1908	8,778 00
Amount of Fund, March 31, 1909	$63,561 62

SEPARATE SYSTEM OF DRAINAGE.

Amount of Fund, Nov. 30, 1907	$2,816 98
Interest accumulations (1908)	143 86
Appropriation for 1908	2,970 00
Amount of Fund, March 31, 1909	$5,930 84

GENERAL.

Amount of Fund, Nov. 30, 1907	$500,384 04
Interest accumulations (1908)	26,651 98
Appropriation for 1908	108,345 38
	$635,381 40
EXPENDED.	
For matured bonds	4,900 00
Amount of Fund, March 31, 1909	$630,481 40

WATER LOAN SINKING FUND.

Amount of Fund, Nov. 30, 1907	$1,582,727 18
Interest accumulations (1908)	70,383 59
Appropriation for 1908	122,538 00
	$1,775,648 77
EXPENDED.	
For Matured Water Loan bonds	71,000 00
Amount of Fund, March 31, 1909	$1,704,648 77

Sinking Funds—Concluded.

COMMISSIONERS OF SINKING FUNDS.

Amounts of Funds, Nov. 30, 1907		$1,185,830 36
RECEIVED.		
From City Treasurer, appropriations for 1908:—		
Brookline Bridge	$333 33	
Cambridge Bridge	20,733 33	
Cambridge Bridge Special	616 00	
Clay Lands	5,335 00	
Commercial Avenue Bridge	666 67	
General	108,345 38	
Harvard Bridge	8,800 00	
Improved Sewerage	8,778 00	
Separate System of Drainage	2,970 00	
Parks	24,586 66	
Hospital	225 00	
Metropolitan Park Assessment	1,012 00	
		182,401 37
Interest accumulations		55,171 73
		$1,423,403 46
EXPENDED.		
For Matured Bonds:—		
City Loan		4,900 00
Amount of Fund, March 31, 1909		$1,418,503 46

SUMMARY—APPROPRIATIONS AND EXPENDITURES, APRIL 1, 1909.

TITLES OF ACCOUNTS	Balances brought forward April 1, 1908	Annual appropriations	Additional appropriations during year	Transfers to this department	Transfers from this department	Total amount available for expenditures	Total amount expended	Balances unexpended
GENERAL GOVERNMENT								
City Council Expenses	$2,915 00	$5,000 00	.....	.....	$2,400 00	$5,515 00	$5,505 27	$9 73
Clerk of Committees'								
Salaries	.....	3,924 00	.....	$6 90	.....	3,930 90	3,930 90	.....
Expenses	.....	300 00	.....	.....	6 90	293 10	280 25	12 85
Executive Department								
Salaries	.....	5,480 00	.....	9 00	.....	5,489 00	5,489 00	.....
Expenses	.....	700 00	.....	.....	9 00	691 00	689 39	1 61
Financial Departments								
Auditing Department								
Salaries	.....	4,030 00	.....	.....	.....	4,030 00	4,028 75	1 25
Expenses	.....	270 00	.....	.....	.....	270 00	269 12	88
Treasurer and Collector								
Salaries	.....	10,748 00	.....	.....	.....	10,748 00	10,746 91	1 09
Expenses	.....	8,300 00	.....	.....	.....	8,300 00	8,203 73	96 27
Assessors' Department								
Salaries	.....	12,750 00	.....	.....	175 00	12,575 00	12,573 50	1 50
Expenses	.....	1,500 00	.....	175 00	.....	1,675 00	1,675 00	.....
Assessors' Plans	.....	300 00	.....	.....	.....	300 00	298 46	1 54
Sinking Fund Officials	.....	365 00	.....	.....	.....	365 00	365 00	.....
Other General Departments								
City Clerk's Department								
Salaries	.....	7,100 00	.....	.....	.....	7,100 00	6,941 51	158 49
Expenses	.....	2,000 00	.....	.....	.....	2,000 00	1,976 57	23 43
Law Department								
Salaries	.....	4,124 00	.....	.....	.....	4,124 00	4,124 00	.....
Expenses	.....	1,000 00	.....	.....	.....	1,000 00	1,000 00	.....
City Messenger's Department								
Salaries	.....	2,024 00	.....	.....	.....	2,024 00	2,024 00	.....
Expenses	.....	335 00	.....	.....	.....	335 00	335 00	.....
City Hall								
Salaries	.....	11,850 00	.....	.....	.....	11,850 00	11,775 99	74 01
Expenses and Repairs	.....	12,000 00	.....	.....	625 00	11,375 00	11,374 68	32
Alterations, City Bldg., Fourth St.	.....	.....	.....	400 00	.....	400 00	390 15	9 85
Elections and Registration								
City Clerk	.....	11,000 00	.....	.....	.....	11,000 00	10,998 87	1 13
Registrars of Voters	.....	4,400 00	.....	160 00	.....	4,560 00	4,555 74	4 26
Superintendent of Buildings	.....	3,200 00	.....	350 00	.....	3,550 00	3,532 50	17 50
Postage and Stationery	.....	1,700 00	.....	.....	150 00	1,550 00	1,518 19	31 81
Amounts carried forward	$2,915 00	$114,400 00	.....	$1,100 90	$3,365 90	$115,050 00	$114,602 48	$447 52

SUMMARY—APPROPRIATIONS AND EXPENDITURES, APRIL 1, 1909—Continued.

TITLES OF ACCOUNTS	Balances brought forward April 1, 1908	Annual appropriations	Additional appropriations during year	Transfers to this department	Transfers from this department	Total amount available for expenditures	Total amount expended	Balanees unexpended
Amounts brought forward	$2,915 00	$114,400 00		$1,100 90	$3,365 90	$115,050 00	$114,602 48	$447 52
CONTINGENT FUND		35,000 00		16,420 86	51,388 64	32 22		32 22
STATE AID		30,000 00		1,700 00		31,700 00	31,676 20	23 80
CEMETERIES								
Salaries and Labor		15,000 00		500 00		15,500 00	15,425 56	74 44
General Expenses		3,000 00				3,000 00	2,999 52	48
Rebuilding Wall		1,000 00			500 00	500 00	499 02	98
PROTECTION OF LIFE AND PROPERTY								
Poliee Department								
Salaries		162,500 00			3,000 00	159,500 00	159,487 29	12 71
Expenses		7,200 00		950 00	400 00	7,750 00	7,701 94	48 06
Fire Department								
Salaries		108,500 00			1,200 00	107,300 00	107,219 44	80 56
Expenses		21,000 00		1,600 00		22,600 00	22,491 96	108 04
Fire and Police Telegraph								
Salaries		9,000 00		500 00	36 20	9,463 80	9,463 80	
Expenses		4,000 00				4,000 00	3,995 04	4 96
Poliee Signal Boxes	900 00					900 00	900 00	
Emergency Fund				1,786 20		1,786 20	1,759 19	27 01
Armories								
Rifle Range	324 75	750 00		25 64		1,100 39	1,100 39	
Car Tickets		500 00				500 00	500 00	
Miseellaneous								
Inspeetion of Buildings								
Salaries		5,000 00		825 00		5,825 00	5,822 00	3 00
Expenses		700 00		345 67		1,045 67	1,045 17	50
Board of Appeal				100 00		100 00	29 95	70 05
Plumbers' Examiners		150 00			95 67	54 33	54 33	
Sealer of Weights and Measures								
Salaries		2,300 00				2,300 00	2,300 00	
General Expenses		500 00				500 00	493 82	6 18
Standard Balance	150 00					150 00	150 00	
Amounts carried forward	$4,289 75	$520,500 00		$25,854 27	$59,986 41	$490,657 61	$489,717 10	$940 51

SUMMARY—APPROPRIATIONS AND EXPENDITURES, APRIL 1, 1909—Continued.

TITLES OF ACCOUNTS	Balances brought forward April 1, 1908	Annual appropriations	Additional appropriations during year	Transfers to this department	Transfers from this department	Total amount available for expenditures	Total amount expended	Balances unexpended
Amounts brought forward.....	$4,289 75	$520,500 00	.....	$25,854 27	$59,986 41	$490,657 61	$489,717 10	$940 51
HEALTH AND SANITATION								
Health								
Salaries.....	.....	13,800 00	.....	.....	.....	13,800 00	13,772 21	27 79
General Expenses.....	.....	18,000 00	.....	11,200 00	.....	29,200 00	29,145 27	54 73
Hospital Bills.....	.....	.....	.....	17,100 00	.....	17,100 00	17,075 86	24 14
Inspection of Animals.....	.....	850 00	.....	.....	.....	850 00	827 50	22 50
Inspection of Milk and Vinegar								
Salaries.....	.....	1,800 00	.....	.....	.....	1,800 00	1,795 00	5 00
Expenses	.....	250 00	.....	.....	.....	250 00	248 45	1 55
Modified Milk.....	.....	1,300 00	.....	.....	.....	1,300 00	1,264 76	35 24
Sanitation								
Sewers, Maintenance.....	.....	20,000 00	.....	.....	125 00	19,875 00	19,714 40	160 60
Refuse Collection and Disposal								
House Offal								
Labor	.....	28,500 00	.....	.....	300 00	28,200 00	28,189 35	10 65
Expenses	.....	7,700 00	.....	300 00	.....	8,000 00	7,999 66	34
Collection of Ashes.....	.....	37,500 00	.....	2,700 00	.....	40,200 00	40,152 36	47 64
Incinerator, Maintenance.....	.....	4,000 00	.....	.....	.....	4,000 00	3,998 14	1 86
Amounts carried forward.....	$4,289 75	$654,200 00	.....	$57,154 27	$60,411 41	$655,232 61	$653,900 06	$1,332 55

SUMMARY—APPROPRIATIONS AND EXPENDITURES, APRIL 1, 1909—Continued.

TITLES OF ACCOUNTS	Balances brought forward April 1, 1908	Annual appropriations	Additional appropriations during year	Transfers to this department	Transfers from this department	Total amount available for expenditures	Total amount expended	Balances unexpended
Amounts brought forward	$4,289 75	$654,200 00		$57,154 27	$60,411 41	$655,232 61	$653,900 06	$1,332 55
HIGHWAYS AND BRIDGES								
General Supervision								
Salaries — Superintendent of Streets and Clerks		6,500 00			112 00	6,388 00	6,388 00	
Engineering Department								
Salaries		8,750 00		225 00		8,975 00	8,974 95	05
Expenses		900 00			100 00	800 00	746 90	53 10
Street Paving								
Maintenance		75,000 00		396 00		75,396 00	75,395 94	06
Crossings		2,500 00				2,500 00	2,499 76	24
Sidewalk Repairs		5,000 00				5,000 00	4,999 81	19
Street Cleaning		42,000 00				42,000 00	41,999 19	81
Street Sprinkling		34,000 00		999 16		34,999 16	34,980 47	18 69
Street Lighting								
Salaries		1,000 00				1,000 00	1,000 00	
Expenses		80,000 00		750 00	700 00	80,050 00	79,959 90	90 10
Bridges		6,200 00			800 00	5,400 00	5,398 81	1 19
Boston Bridges								
Salaries and Labor		10,500 00		250 00		10,750 00	10,696 73	53 27
Expenses		9,000 00			2,250 00	6,750 00	6,698 23	51 77
Damages to Persons and Personal Property		3,000 00			400 00	2,600 00	2,547 17	52 83
Civil Service Department		350 00				350 00	349 47	53
Amouhts carried forward	$4,289 75	$938,900 00		$59,774 43	$64,773 41	$938,190 77	$936,535 39	$1,655 38

SUMMARY—APPROPRIATIONS AND EXPENDITURES, APRIL 1, 1909—Continued.

TITLES OF ACCOUNTS	Balances brought forward April 1, 1908	Annual appropriations	Additional appropriations during year	Transfers to this department	Transfers from this department	Total amount available for expenditures	Total amount expended	Balances unexpended
Amounts brought forward.....	$4,289 75	$938,900 00	.....	$59,774 43	$64,773 41	$938,190 77	$936,535 39	$1,655 38
CHARITIES AND CORRECTIONS								
City Farm								
Labor	.....	4,000 00	.....	.....	775 00	3,225 00	3,225 00	.....
Expenses	.....	1,000 00	.....	.....	.....	1,000 00	999 91	09
City Home								
Salaries.....	.....	7,060 00	.....	.....	.....	7,060 00	7,060 00	.....
Expenses	.....	12,500 00	.....	1,600 00	.....	14,100 00	14,100 00	.....
City Home Hospital								
Salaries.....	.....	950 00	.....	38 00	.....	988 00	988 00	.....
Expenses	.....	650 00	.....	.....	.....	650 00	649 33	67
Out-door Relief								
Salaries.....	.....	3,800 00	.....	.....	.....	3,800 00	3,771 11	28 89
Expenses	.....	15,000 00	.....	7,040 00	.....	22,040 00	22,021 93	18 07
City Physician.....	.....	2,000 00	.....	.....	.....	2,000 00	2,000 00	.....
PUBLIC SCHOOLS.....	.....	524,887 74	.....	.....	11,870 86	513,016 88	.....	.....
School Houses, Maintenance.....	.....	.....	.....	.....	.....	.....	112,123 75	.....
Care of Truants.....	.....	.....	.....	.....	.....	.....	2,621 14	.....
Care of Flags.....	.....	.....	.....	.....	.....	.....	299 60	.....
Incidentals	.....	.....	.....	.....	.....	.....	2,433 80	.....
Text Books and Supplies.....	.....	.....	.....	.....	.....	.....	25,999 26	.....
Transportation of Pupils.....	.....	.....	.....	.....	.....	.....	324 00	.....
Salaries of Teachers and Officers....	.....	.....	.....	.....	.....	.....	359,159 18	.....
Vacation Schools.....	.....	.....	.....	.....	.....	.....	1,791 18	.....
Equipment, R. M. T. S.....	.....	.....	.....	.....	.....	.....	7,257 57	.....
School Houses, Alterations.....	.....	.....	.....	.....	.....	.....	518 32	.....
Gymnasium Apparatus.....	.....	.....	.....	.....	.....	.....	489 08	.....
Amounts carried forward.....	$4,289 75	$1,510,747 74	.....	$68,452 43	$77,419 27	$1,506,070 65	$1,504,367 55	$1,703 10

SUMMARY—APPROPRIATIONS AND EXPENDITURES, APRIL 1, 1909—Continued.

TITLES OF ACCOUNTS	Balances brought forward April 1, 1908	Annual appropriations	Additional appropriations during year	Transfers to this department	Transfers from this department	Total amount available for expenditures	Total amount expended	Balances unexpended
Amounts brought forward.....	$4,289 75	$1,510,747 74	.....	$68,452 43	$77,419 27	$1,506,070 65	$1,504,367 55	$1,703 10
LIBRARIES								
Main Library								
Salaries.....	.....	11,550 00	.....	100 00	.....	11,650 00	11,649 56	44
General Expenses.....	.....	5,000 00	.....	.....	100 00	4,900 00	4,899 41	59
Dog License Fund.....	.....	5,400 00	.....	.....	.....	5,400 00	5,400 00	.....
Celebration.....	200 00	.....	.....	.....	.....	200 00	200 00	.....
East Cambridge Branch								
Salaries.....	.....	1,039 50	.....	.....	75 00	964 50	964 39	11
Expenses	.....	1,400 00	.....	75 00	.....	1,475 00	1,474 84	16
North Cambridge Branch								
Salaries.....	.....	1,110 50	.....	110 00	.....	1,220 50	1,220 20	30
Expenses	.....	2,500 00	.....	.....	110 00	2,390 00	2,389 82	18
Amounts carried forward.....	$4,489 75	$1,538,747 74	....	$68,737 43	$77,704 27	$1,534,270 65	$1,532,565 77	$1,704 88

SUMMARY—APPROPRIATIONS AND EXPENDITURES, APRIL 1, 1909—Continued.

TITLES OF ACCOUNTS	Balances brought forward April 1, 1908	Annual appropriations	Additional appropriations during year	Transfers to this department	Transfers from this department	Total amount available for expenditures	Total amount expended	Balances unexpended
Amounts brought forward	$4,489 75	$1,538,747 74	.....	$68,737 43	$77,704 27	$1,534,270 65	$1,532,565 77	$1,704 88
RECREATION								
Park Maintenance								
Salaries	.....	2,300 00	.....	5 00	.....	2,305 00	2,305 00	.....
General Account	.....	1,400 00	.....	178 00	396 00	1,182 00	1,181 27	73
Moth and Beetle Extermination	.....	3,000 00	.....	5,000 00	.....	8,000 00	7,999 17	83
Cambridge Field and Shelter	.....	6,000 00	.....	.....	5 00	5,995 00	5,994 81	19
Commons, Squares and Public Grounds	.....	4,100 00	.....	.....	.....	4,100 00	4,099 83	17
Shade Trees	.....	4,500 00	.....	.....	.....	4,500 00	4,499 94	06
Sections A, B, D and F	.....	4,800 00	.....	182 00	.....	4,982 00	4,981 91	09
Sections G and H	.....	2,000 00	.....	.....	.....	2,000 00	1,999 68	32
Rindge Field	.....	1,000 00	.....	.....	256 00	744 00	743 54	46
Sand Gardens	.....	200 00	.....	.....	.....	200 00	199 04	96
Bath House, Captains' Island	.....	2,300 00	.....	.....	104 00	2,196 00	2,195 97	03
Celebrations								
Independence Day	.....	1,200 00	.....	200 00	.....	1,400 00	1,397 03	2 97
Labor Day	.....	300 00	.....	.....	.....	300 00	299 93	07
Memorial Day	.....	1,100 00	.....	.....	.....	1,100 00	1,100 00	.....
INTEREST	8,688 16	267,516 50	.....	4,250 00	.....	280,454 66	280,442 21	12 45
SINKING FUNDS	.....	182,401 37	.....	.....	.....	182,401 37	182,401 37	.....
Total for Revenue Accounts	$13,177 91	$2,022,865 61	.....	$78,552 43	$78,465 27	$2,036,130 68	$2,034,406 47	$1,724 21

SUMMARY—APPROPRIATIONS AND EXPENDITURES, APRIL 1, 1909—Continued.

TITLES OF ACCOUNTS	Balances brought forward April 1, 1908	Annual appropriations	Additional appropriations during year	Transfers to this department	Transfers from this department	Total amount available for expenditures	Total amount expended	Balances unexpended
MUNICIPAL INDUSTRIES								
Water Works								
Salaries of Superintendent, Registrar, Inspectors and Clerks	.....	12,000 00	.....	110 00	.....	12,110 00	12,105 15	4 85
General Expenses	.....	45,750 00	.....	.....	385 00	45,365 00	39,674 84	5,690 16
Pumping								
Salaries and Labor	.....	8,850 00	.....	275 00	.....	9,125 00	9,095 92	29 08
Expenses	.....	11,800 00	.....	.....	.....	11,800 00	10,737 05	1,062 95
Meters	.....	8,000 00	.....	.....	.....	8,000 00	5,453 27	2,546 73
Services of City Treasurer and City Solicitor	.....	2,500 00	.....	.....	.....	2,500 00	2,500 00	.....
Ice for Fountains	.....	1,000 00	.....	.....	.....	1,000 00	726 48	273 52
Interest	2,994 94	148,062 00	.....	.....	.....	151,056 94	148,387 75	2,669 19
Sinking Fund	.....	122,538 00	.....	.....	.....	122,538 00	122,538 00	.....
Serial Loan	.....	12,500 00	.....	.....	.....	12,500 00	12,500 00	.....
Abatements and Refunds	.....	7,000 00	.....	.....	.....	7,000 00	4,381 11	2,618 89
Fresh Pond Sanitary	373 29	.....	.....	.....	.....	373 29	371 68	1 61
Fresh Pond Grading	.....	.....	$8,000 00	.....	.....	8,000 00	8,000 00	.....
Total for Water Revenue Accounts	$3,368 23	$380,000 00	$8,000 00	$385 00	$385 00	$391,368 23	$376,471 25	$14,896 98

SUMMARY—APPROPRIATIONS AND EXPENDITURES, APRIL 1, 1909—Concluded.

TITLES OF ACCOUNTS	Balances brought forward April 1, 1908	Annual appropriations	Additional appropriations during year	Transfers to this department	Transfers from this department	Total amount available for expenditures	Expended to date	Balances unexpended
SPECIAL FUNDS AND LOAN ACCOUNTS								
Health Department								
Land for Hospital	$6,240 00					$6,240 00	$780 00	$5,460 00
Hospitals			$20,000 00			20,000 00	19,997 80	2 20
Street Construction								
Land Damages	11,067 93		20,000 00	$1,112 27	$1,000 00	31,180 20	22,201 20	8,979 00
Allston Street and Others	946 55					946 55	944 26	2 29
Binney Street and Others	11,000 00			1,700 00		12,700 00	12,699 86	14
Houghton Street and Others	364 71					364 71	364 35	36
Somerville Avenue	7 49				7 49			
Rebuilding Streets								
Cambridge Street	656 96				78 52	578 44	578 44	
Hampshire Street	365 90				1 15	364 75	364 75	
Broadway, Mount Auburn and Hampshire Streets			50,000 00		700 00	49,300 00	49,197 59	102 41
Edgestones and Sidewalks			20,400 00			20,400 00	20,335 27	64 73
Incinerator Plant	16,910 65					16,910 65	16,098 75	811 90
Sewers, Construction								
General			10,000 00		4,000 00	6,000 00	5,652 24	347 76
Portland Street Trunk Sewer	2,323 45					2,323 45		2,323 45
Gate Chambers	1,451 94					1,451 94	1,096 95	354 99
Separate System of Drainage	2,777 25		37,279 63	4,000 00		44,056 88	42,756 55	1,300 33
Subway Construction	7,000 00					7,000 00		7,000 00
Bridges								
Cambridge Bridge	85 77		3,000 00	7,500 00		10,585 77	4,668 97	5,916 80
Cambridge Bridge Approach			45,000 00		7,500 00	37,500 00	30,000 00	7,500 00
Brookline Bridge Approach	1,631 98					1,631 98	56 75	1,575 23
Commercial Avenue Bridge	12,417 88					12,417 88	10,249 93	2,167 95
Rebuilding First Street Bridge	9,897 25				1,089 62	8,807 63	8,807 63	
Rebuilding Third Street Bridge			7,000 00		22 65	6,977 35	6,977 35	
Park Department								
Construction and Lands	1,193 33		42,000 00			43,193 33	43,039 53	153 80
Rindge Field	66 95					66 95	66 55	40
Playground, East Cambridge	289 95					289 95	289 00	95
Water Department								
Construction General	965 34		17,000 00			17,965 34	15,923 87	2,041 47
Meters	2,333 95					2,333 95	2,333 01	94
Meters Compulsory	986 50					986 50	985 45	1 05
Hobbs' Brook Conduit	10,501 63					10,501 63	7,843 32	2,658 31
Hobbs' Brook Conduit Extension			20,000 00			20,000 00	18,248 89	1,751 11
Wellington School Fire Damage			567 03			567 03	537 11	29 92
Wellington School Alterations			85,000 00			85,000 00	35,557 59	49,442 41
Armory Fund								
Premium on Loans								
Betterments								
Totals for Special Fund Accounts	$101,483 36		$377,246 66	$14,312 27	$14,399 43	$478,642 86	$378,652 96	$99,989 90

SCHEDULE B

Nos. I to VII

ASSETS AND LIABILITIES

SCHEDULE B-I.

March 31, 1909.

ASSETS.		LIABILITIES.	
Current Assets (B-II.)	$273,972 10	Current Liabilities (B-II.)	$140,558 69
Contingent Assets (B-III.)	126,753 64	Contingent Liabilities (B-III.)	10,639 25
Trust Funds and Special Deposits (B-IV.)	102,129 36	Trust Liabilities (B-IV.)	127,129 36
Sinking Funds (B-V.)	3,123,152 23	Bonded Debt (B-V.)	11,397,550 00
Total Available Assets	$3,626,007 33	Total Liabilities	$11,675,877 22
Fixed Assets (Unavailable. B-VI.)	11,990,062 56	General Deficit and Surplus Account (B-VII.)	3,940,192 67
Grand Total of Assets	$15,616,069 89	Grand Total of Liabilities and Surplus	$15,616,069 89

SCHEDULE B-II.

CURRENT ASSETS.

CASH:		
Cash in the Treasury available for general purposes	$2,527 06	
Cash in the Treasury available for special assessments (included above)	117,518 93	
		$120,045 99
GOOD ACCOUNTS RECEIVABLE:		
Delinquent Property Taxes	$139,942 53	
Other good accounts:—		
Moth Assessments	153 07	
Sewer Assessments	678 84	
Sidewalk Assessments	2,904 93	
Street Watering Assessments	2,788 16	
Miscellaneous Bills	7,458 58	
Total Good Accounts Receivable		$153,926 11
Total Current Assets		$273,972 10

CURRENT LIABILITIES.

(Floating Debts.)

1. OUTSTANDING ACCOUNTS DUE AND UNPAID:		
Of the current year		
Land Damages	$34,456 40	
Of previous years		
Tax Sale Surplus	461 07	
2. OUTSTANDING ACCOUNTS NOT DUE:		
Temporary Tax Loans Unpaid	20,000 00	
Other Accounts, Miscellaneous Bills	85,641 14	
Total Current Liabilities		140,558 61
Surplus of Current Assets (B-vii.)		$133,413 49

SCHEDULE B-III.

CONTINGENT ASSETS.

DOUBTFUL ACCOUNTS RECEIVABLE:

Delinquent Personal Property and Poll Taxes, viz.:		
1903	$19,045 18	
1904	18,955 49	
1905	20,763 41	
1906	20,868 95	
1907	36,804 28	
Liens	316 33	
		$116,753 64
Other doubtful accounts, viz.:		
Miscellaneous Bills		10,000 00
Total Contingent Assets		$126,753 64

CONTINGENT LIABILITIES.

RETENTION FUND ACCOUNT:

Percentage of Contractors' payments retained, viz.:		
J. J. Hurley & Co	$924 25	
W. A. Snow Iron Works	90 00	
Walsh Bros	9,625 00	
Total Contingent Liabilities		10,639 25
Surplus of Contingent Assets (B-vii.)		$116,114 39

SCHEDULE B-IV.

TRUST FUND ASSETS.

CASH IN TRUST FUNDS:		
Firemen's Pension Fund.....		
Police Pension Fund.....		
Special Deposits, etc., viz.:		
Cemetery Fund.....	$1,402 46	
Bridge Charitable Fund.....	2,513 12	
Sarah E. Russell Fund.....	814 41	
Wm. E. Saunders Fund.....	433 52	
Citizens' Subscription Fund.....	3 82	
Cummings Legacy.....	2 95	
Fay Legacy.....	7 97	
James A. Woolson Fund.....	1 11	
Total cash in Trust Funds.....		$5,179 36
INVESTMENT OF TRUST FUNDS:		
Stocks and Bonds in various Funds, viz.:		
Cemetery Fund.....	$76,450 00	
Cummings Legacy.....	2,000 00	
Fay Legacy.....	1,000 00	
Citizens' Subscription Fund.....	5,500 00	
Wm. E. Saunders Fund.....	7,000 00	
James A. Woolson Fund.....	5,000 00	
		96,950 00
Total Assets in Trust Funds.....		$102,129 36

LIABILITIES.

Firemen's Pension Fund Account.....		
Police Pension Fund Account.....		
Other Trust Funds and Special Funds, viz.:		
Daniel White Charity Fund.....	$5,000 00	
Dowse Institute Fund.....	10,000 00	
Sanders Temperance Fund.....	10,000 00	
Cemetery Fund Account.....	77,852 46	
Bridge Charitable Fund.....	2,513 12	
Citizens' Subscription Fund.....	5,503 82	
Cummings Legacy.....	2,002 95	
Fay Legacy.....	1,007 97	
Sarah E. Russell Fund.....	814 41	
Wm. E. Saunders Fund.....	7,433 52	
James A. Woolson Fund.....	5,001 11	
Total Liabilities.....		$127,129 36
Deficit in Trust Funds.....		$25,000 00

SCHEDULE B-V.

SINKING FUND ASSETS.

CASH IN ALL SINKING FUNDS.....	$7,352 23
INVESTMENTS OF SINKING FUNDS.....	
Bonds and Other Securities, viz.: (Per list in report of Sinking Funds Comsioners)	3,115,800 00
Total Assets in Sinking Funds.....	$3,123,152 23

BONDED DEBTS OF THE CITY.

1. GENERAL BONDS:

a. For General Municipal Purposes. *Funded City Debt.....	$7,623,450 00	
b. For Municipal Enterprises. †Water Works.....	3,774,100 00	
2. SPECIAL ASSESSMENT BONDS:‡		
Total of Bonded Debts.....		$11,397,550 00
Excess of Debts (Net Bonded Debt. See B-vii.)		$8,274,397 77

*Schedule in detail will be found on pages 232 to 236, inclusive, of the Auditor's Report.
†Schedule in detail will be found on pages 237, 238, of the Auditor's Report.
‡Included in 1-a above.

SCHEDULE B-VI.

FIXED ASSETS.

LAND, BUILDINGS AND EQUIPMENT:

Law Department, equipment.....		$185 00
City Buildings:		
Land	$104,300 00	
Buildings	347,100 00	
Equipment	41,903 00	
		493,303 00
Police Department:		
Equipment		4,586 96
Fire Department:		
Land	$43,800 00	
Buildings	158,500 00	
Equipment	87,834 00	
		290,134 00
Fire and Police Telegraph, Equipment.....		39,420 00
Health Department:		
Land	$14,600 00	
Buildings	15,900 00	
Equipment	5,217 50	
		35,717 50
Inspection of Milk and Vinegar, Equipment		1,369 86
Cemeteries:		
Land	$92,000 00	
Buildings	6,000 00	
Equipment	3,500 00	
		101,500 00
Sealer of Weights and Measures, Equipment		2,143 25
City Home:		
Land	$56,700 00	
Buildings	25,000 00	
Equipment	19,110 00	
		100,810 00
Street Department (Stables, etc.):		
Land	$124,900 00	
Buildings	61,000 00	
Equipment	80,159 18	
		266,059 18
Engineering Department, Equipment.....		116,560 50

SCHEDULE B-VI.—Concluded.

Sewer Department (Stables, etc.):		
Land	$5,900 00	
Buildings	5,600 00	
Equipment	7,400 00	
		18,900 00
Street Lighting, Equipment		4,935 00
Bridge Department, Equipment		2,390 00
Water Works:		
Land, Dams, etc.	$1,325,510 31	
Buildings	100,810 40	
Equipment	2,212,967 81	
		3,639,288 52
Schools:		
Land	$371,800 00	
Buildings	1,698,400 00	
Equipment	186,304 02	
		2,256,504 02
Library:		
Land	$85,000 00	
Buildings	145,000 00	
Equipment	88,775 00	
		318,775 00
Parks:		
Land	$4,225,912 29	
Buildings	67,723 48	
Equipment	3,845 00	
		4,297,480 77
Total Fixed Assets. (See B-vii.)		$11,990,062 56

SCHEDULE B-VII.

GENERAL DEFICIT AND SURPLUS ACCOUNT.

DEFICITS.

* Deficit of Current Assets (B-ii), if any.....		
† Deficit of Contingent Assets (B-iii.), if any....		
† Deficit of Trust Funds Assets (B-iv.), if any...	$25,000 00	
† Deficit of Sinking Funds Assets (B-v.), viz.:...		
Net Bonded Debt	8,274,397 77	
Total of All Deficits.....		$8,299,397 77

SURPLUS.

* Surplus of Current Assets (B-ii.), if any.....	$133,413 49	
† Surplus of Contingent Assets (B-iii.), if any...	116,114 39	
† Surplus of Trust Funds (B-iv.), if any.....		
† Surplus of Sinking Funds (B-v.), if any.....		
Total Surplus, excluding Fixed Assets‡		249,527 88
Excess of Deficits, viz.:		
Total Net Debts of the City.....		$8,049,869 89

BALANCE.

Total of Fixed Assets:		
Land, Buildings, Equipments (B-vi.).....	$11,990,062 56	
Deduct Total Net Debts of the City, as above....	8,049,869 89	
Balance of this Account, General Surplus (B-i.)		$3,940,192 67

* Balance of Schedule B-II will appear under *one* or the *other* of these heads.

† Balance of other schedules, B-III, etc, will appear in like manner.

‡ Fixed Assets are set up by themselves under "Balance." (See above.

SCHEDULE B

No. VIII

CITY FUNDED DEBT AND MISCELLANEOUS TABLES

CITY FUNDED DEBT.

There have been additions to the City Funded Debt during the year as follows:—

Cambridge Bridge Loan, registered bonds payable in forty years, at an annual interest of four per cent.	
For the purpose of the construction of the "Cambridge Bridge" and its approaches, and for other purposes, as authorized under the provisions of Chapter 467 of the Legislative Acts of 1898	$45,000 00
City of Cambridge Loan, registered and coupon bonds, payable in ten years, at an annual interest of four per cent.	
For the purpose of providing in part for the expenses incurred by a vote of the people making certain amendments to the City Charter, and as authorized by Chapter 367 of the Legislative Acts of 1908	400,000 00
Hospital Loan, registered bonds payable in twenty years, at an annual interest of four per cent.	
For the purpose of defraying the cost of the erection and establishment of one or more hospitals for the reception of persons having a disease dangerous to the public health, and of constructing, equipping and maintaining such hospitals, and paying all expenses incident thereto, as authorized by Chapter 99 of the Legislative Acts of 1895 . .	20,000 00
Park Loan, registered bonds payable in forty years, at an annual interest of four per cent.	
For the purpose of paying for property purchased, taken or held for a public park or esplanade as authorized by Chapter 341 of the Acts of 1892, Chapter 337, Acts of 1893, and Acts in amendment thereof and in addition thereto, and also for defraying the expense of construction of such park or esplanade and for any purpose incident to the protection, enlargement or advancement of a public park or esplanade in said City of Cambridge, as authorized by Chapter 221 of the Acts of the year 1899	42,000 00
Schoolhouse Loan, registered bonds payable in twenty years, at an annual interest of three and one-half per cent.	
For the purpose of the rebuilding and remodelling the Wellington Schoolhouse, and for paying all expenses incidental thereto, as authorized by Chapter 212 of the Legislative Acts of the year 1894	40,000 00
Sewer Loans, registered bonds payable in thirty years, at an annual interest of four per cent.	
For the purpose of constructing sewers, as authorized by Chapter 383 of the Acts of 1903	37,000 00
For the purpose of constructing sewers, as authorized by Section 11 of Chapter 27 of the Revised Laws . . .	5,000 00
Street Loan, registered bonds payable in twenty years, at an annual interest of four per cent.	
For the purpose of the construction of highways, streets and ways and for defraying the cost of any real estate or interest therein taken for such highways, streets, ways or buildings, under authority conferred by Chapter 212 of the Acts of 1894. (Land damages, Main and Ames Streets and Massachusetts Avenue and paving Hampshire Street) .	62,000 00
Amount carried forward	$651,000 00

CITY FUNDED DEBT—Continued.

Amount brought forward	$651,000 00
Street Loan, registered bonds payable in ten years, at an annual interest of four per cent.	
For the purpose of rebuilding the First and Third Street Bridges over Broad Canal, and relaying sea-wall, and for rebuilding Broadway and Mt. Auburn Street, as authorized by Chapter 27 of the Revised Laws	37,000 00
	$688,000 00

	April 1, 1908	April 1, 1909	Increase
Funded City Debt.....	$6,940,350 00	$7,623,450 00	$683,100 00
Sinking Funds.....	1,185,830 36	1,418,503 46	232,673 10
Net Funded City Debt.....	$5,754,519 64	$6,204,946 54	$450,426 90

The following is a statement of the total funded debt of the City, with the rates of interest thereon:—

HARVARD BRIDGE LOAN.

Date of Issue.	Rate of Interest.	When Due.	Amount.	Total.
Oct. 1, 1887 R.....	4 per cent.—30 yrs.	Oct. 1, 1917.. ...	$10,000 00	
July 1, 1888 C.....	4 " —30 "	July 1, 1918.. ...	100,000 00	
Sept. 1, 1888 C.....	4 " —30 "	Sept. 1, 1918.. ...	100,000 00	
Mar. 1, 1889 C.....	4 " —30 "	Mar. 1, 1919.. ...	115,000 00	
Nov. 1, 1890 R.....	4 " —30 "	Nov. 1, 1920.. ...	5,000 00	
July 1, 1891 C.....	4 " —30 "	July 1, 1921.. ...	60,000 00	
Aug. 1, 1893 C.....	4 " —30 "	Aug. 1, 1923.. ...	10,000 00	$400,000 00

CAMBRIDGE BRIDGE LOAN.

July 1, 1899 R.....	3½ per cent.—40 yrs.	July 1, 1939.. ...	$50,000 00	
July 2, 1900 R.....	3½ " —40 "	July 2, 1940.. ...	100,000 00	
Feb. 1, 1901 R.....	3 " —40 "	Feb. 1, 1941.. ...	100,000 00	
Nov. 1, 1901 R.....	3½ " —40 "	Nov. 1, 1941.. ...	100,000 00	
July 1, 1902 R. & C.	3½ " —40 "	July 1, 1942.. ...	100,000 00	
Jan. 1, 1903 R.....	3½ " —40 "	Jan. 1, 1943.. ...	50,000 00	
Apr. 1, 1903 R.....	3½ " —40 "	Apr. 1, 1943.. ...	50,000 00	
Aug. 1, 1903 C.....	3½ " —40 "	Aug. 1, 1943.. ...	50,000 00	
Jan. 1, 1904 R.....	3½ " —40 "	Jan. 1, 1944.. ...	100,000 00	
May 1, 1904 C.....	3½ " —40 "	May 1, 1944.. ...	200,000 00	
Aug. 1, 1904 R.....	3½ " —40 "	Aug. 1, 1944.. ...	150,000 00	
May 1, 1905 R.....	3½ " —40 "	May 1, 1945.. ...	150,000 00	
Dec. 1, 1905 R.....	3½ " —40 "	Dec. 1, 1945.. ...	100,000 00	
Aug. 1, 1906 R.....	4 " —40 "	Aug. 1, 1946.. ...	150,000 00	
Jan. 1, 1907 R.....	4 " —40 "	Jan. 1, 1947.. ...	50,000 00	
July 1, 1907 C.....	4 " —40 "	July 1, 1947.. ...	40,000 00	
Oct. 1, 1907 C.....	4 " —40 "	Oct. 1, 1947.. ...	15,000 00	
Aug. 1, 1908 R.....	4 " —40 "	Aug. 1, 1948.. ...	45,000 00	$1,600,000 00

Amount carried forward	$2,000,000 00

CITY FUNDED DEBT—Continued.

Amount brought forward $2,000,000 00

BROOKLINE BRIDGE LOAN.

Jan. 1, 1906	3½ per cent.—40 yrs.	Jan. 1, 1946.. ...	$20,000 00	
Sept. 1, 1906	4 " —40 "	Sept. 1, 1946.. ...	5,000 00	$25,000 00

COMMERCIAL AVENUE BRIDGE.

Aug. 1, 1906	4 per cent.—40 yrs.	Aug. 1, 1946.. ...		$50,000 00

BUILDING LOAN.

Aug. 1, 1894 R. & C.	4 per cent.—20 yrs.	Aug. 1, 1914.. ...	$37,000 00	
Oct. 1, 1895 R.....	4 " —20 "	Oct. 1, 1915.. ...	25,000 00	
Oct. 1, 1896 R.....	4 " —20 "	Oct. 1, 1916.. ...	60,000 00	
Apr. 1, 1903 R.....	3½ " —20 "	Apr. 1, 1923.. ...	3,000 00	
Apr. 1, 1904 C.....	3½ " —20 "	Apr. 1, 1924.. ...	25,000 00	
May 1, 1904 R.....	3½ " —20 "	May 1, 1924.. ...	5,000 00	
Sept. 1, 1907 R.....	4 " —20 "	Sept. 1, 1927.. ...	30,000 00	$185,000 00

CAMBRIDGE BRIDGE SPECIAL LOAN.

(Charles River Dam.)

May 1, 1904 R.....	3½ per cent.—30 yrs.	May 1, 1934.. ...		$28,000 00

CAMBRIDGE CEMETERY LOAN.

Nov. 1, 1900 R.....	3½ per cent.—10 yrs.	Nov. 1, 1910.. ...		$7,000 00

CITY LOAN.

Nov. 1, 1901 R.....	3½ per cent.—10 yrs.	Nov. 1, 1911.. ...	$6,000 00	
July 1, 1902 R.....	3½ " —10 "	July 1, 1912.. ...	14,000 00	
Nov. 1, 1902 R.....	3½ " —10 "	Nov. 1, 1912.. ...	20,000 00	$40,000 00

CITY OF CAMBRIDGE, ACTS OF 1908—LOAN.

May 1, 1908 R. & C.	4 per cent.—10 yrs.	May 1, 1918.. ...		$400,000 00

CLAY LAND LOAN.

July 1, 1896 R.....	4 per cent.—15 yrs.	July 1, 1911.. ...	$50,000 00	
Nov. 1, 1897 R.....	3½ " —15 "	Nov. 1, 1912.. ...	20,000 00	
Aug. 1, 1898 R.....	3½ " —15 "	Aug. 1, 1913.. ...	10,000 00	
July 1, 1899 R.....	3½ " —15 "	July 1, 1914.. ...	17,000 00	$97,000 00

HOSPITAL LOAN.

July 1, 1902 R.....	3½ per cent.—20 yrs.	July 1, 1922.. ...	$6,000 00	
Aug. 1, 1908 R.....	4 " —20 "	Aug. 1, 1928.. ...	20,000 00	$26,000 00

Amount carried forward $2,858,000 00

CITY FUNDED DEBT—Continued.

Amount brought forward $2,858,000 00

METROPOLITAN PARK ASSESSMENT LOAN.

Aug. 1, 1902 R.....	3½ per cent.—30 yrs.	Aug. 1, 1932.. ...		$46,000 00

PARK LOAN.

Feb. 1, 1894 R.&C.	4 per cent.—30 yrs.	Feb. 1, 1924.. ...	$360,000 00	
Aug. 1, 1895 R.....	4 " —40 "	Aug. 1, 1935.. ...	100,000 00	
Feb. 1, 1896 R.....	4 " —40 "	Feb. 1, 1936.. ...	100,000 00	
Aug. 1, 1896 R.....	4 " —30 "	Aug. 1, 1926.. ...	100,000 00	
Oct. 1, 1896 R.....	4 " —30 "	Oct. 1, 1926.. ...	40,000 00	
Sept. 1, 1897 R.....	3½ " —40 "	Sept. 1, 1937.. ...	100,000 00	
Nov. 1, 1897 R.....	3½ " —40 "	Nov. 1, 1937.. ...	50,000 00	
June 1, 1898 R.....	3½ " —40 "	June 1, 1938.. ...	50,000 00	
Aug. 1, 1898 R.....	3½ " —40 "	Aug. 1, 1938.. ...	100,000 00	
Aug. 1, 1899 R.....	3½ " —40 "	Aug. 1, 1939.. ...	100,000 00	
July 2, 1900 R.....	3½ " —40 "	July 2, 1940.. ...	50,000 00	
Nov. 1, 1900 R.....	3½ " —40 "	Nov. 1, 1940.. ...	50,000 00	
Nov. 1, 1901 R.....	3½ " —40 "	Nov. 1, 1941.. ...	100,000 00	
July 1, 1902 R.....	3½ " —40 "	July 1, 1942.. ...	48,000 00	
Apr. 1, 1903 R.....	3½ " —40 "	Apr. 1, 1943.. ...	50,000 00	
Sept. 1, 1904 R.....	3½ " —40 "	Sept. 1, 1944.. ...	25,000 00	
Nov. 1, 1904 R.....	3½ " —40 "	Nov. 1, 1944.. ...	6,000 00	
Apr. 1, 1905 R.....	3½ " —40 "	Apr. 1, 1945.. ...	5,000 00	
May 1, 1905 R.....	3½ " —40 "	May 1, 1945.. ...	45,000 00	
Aug. 1, 1905 R.....	3½ " —40 "	Aug. 1, 1945.. ...	5,000 00	
Sept. 1, 1906 R.....	4 " —40 "	Sept. 1, 1946.. ...	25,000 00	
Oct. 8, 1907 R.....	4 " —40 "	Oct. 1, 1947.. ...	10,000 00	
Aug. 1, 1908 R.....	4 " —40 "	Aug. 1, 1948.. ...	30,000 00	
Nov. 1, 1908 R.....	4 " —40 "	Nov. 1, 1948.. ...	12,000 00	$1,561,000 00

PUBLIC LIBRARY LOAN.

Nov. 1, 1901 R.....	3½ per cent.—20 yrs.	Nov. 1, 1921.. ...		$27,000 00

SCHOOLHOUSE LOAN.

Aug. 1, 1894 R.&C.	4 per cent.—20 yrs.	Aug. 1, 1914.. ...	$81,000 00	
Oct. 1, 1895 R.....	4 " —20 "	Oct. 1, 1915.. ...	35,000 00	
Oct. 1, 1896 R.....	4 " —20 "	Oct. 1, 1916.. ...	43,000 00	
Oct. 1, 1896 R.....	4 " —20 "	Oct. 1, 1916.. ...	6,000 00	
July 1, 1897 R.....	3½ " —20 "	July 1, 1917.. ...	100,000 00	
May 2, 1898 R.....	3½ " —20 "	May 2, 1918.. ...	100,000 00	
June 1, 1898 R.....	3½ " —20 "	June 1, 1918.. ...	50,000 00	
Aug. 1, 1898 R.....	3½ " —20 "	Aug. 1, 1918.. ...	142,000 00	
July 1, 1899 R.....	3½ " —20 "	July 1, 1919.. ...	42,000 00	
July 1, 1899 R.....	3½ " —10 "	July 1, 1909.. ...	45,000 00	
Nov. 1, 1899 R.....	3½ " —10 "	Nov. 1, 1909.. ...	32,000 00	
Nov. 1, 1899 R.....	3½ " —20 "	Nov. 1, 1919.. ...	13,000 00	
Nov. 1, 1900 R.....	3½ " —10 "	Nov. 1, 1910.. ...	36,000 00	
July 1, 1901 R.....	3½ " —20 "	July 1, 1921.. ...	76,000 00	
Nov. 1, 1901 R.....	3½ " —10 "	Nov. 1, 1911.. ...	30,000 00	
July 1, 1902 R.....	3½ " —20 "	July 1, 1922.. ...	86,500 00	
Oct. 1, 1902 R.....	3½ " —20 "	Oct. 1, 1922.. ...	11,000 00	
Oct. 1, 1903 R.....	3½ " —20 "	Oct. 1, 1923.. ...	80,000 00	
Apr. 1, 1904 C.....	3½ " —20 "	Apr. 1, 1924.. ...	80,000 00	
Nov. 1, 1904 R.....	3½ " —20 "	Nov. 1, 1924.. ...	20,000 00	
Nov. 1, 1904 R.....	3½ " —20 "	Nov. 1, 1924.. ...	6,000 00	
May 1, 1905 R.....	3½ " —20 "	May 1, 1925.. ...	20,950 00	
Aug. 1, 1905 R.....	3½ " —20 "	Aug. 1, 1925.. ...	20,000 00	
Aug. 1, 1906 R.....	4 " —20 "	Aug. 1, 1926.. ...	33,000 00	
Nov. 1, 1906 R.....	4 " —20 "	Nov. 1, 1926.. ...	14,000 00	
Dec. 1, 1908 R.....	3½ " —20 "	Dec. 1, 1928.. ...	40,000 00	$1,242,450 00

Amount carried forward $5,734,450 00

CITY FUNDED DEBT—Continued.

Amount brought forward $5,734,450 00

SEWER LOAN.

Nov. 1, 1889	C.	4	per cent.	—20 yrs.	Nov. 1, 1909	$22,000 00	
May 1, 1890	R.	4	"	—20 "	May 1, 1910	15,000 00	
July 1, 1891	C.	4	"	—20 "	July 1, 1911	15,000 00	
Aug. 1, 1894	R. & C.	4	"	—30 "	Aug. 1, 1924	75,000 00	
Oct. 1, 1895	R.	4	"	—30 "	Oct. 1, 1925	60,000 00	
Oct. 1, 1896	R.	4	"	—20 "	Oct. 1, 1916	75,000 00	
Aug. 1, 1901	R.	3½	"	—30 "	Aug. 1, 1931	10,000 00	
Oct. 1, 1903	R.	3½	"	—30 "	Oct. 1, 1933	20,000 00	
May 1, 1904	R.	3½	"	—30 "	May 1, 1934	40,000 00	
Nov. 1, 1904	R.	3½	"	—30 "	Nov. 1, 1934	5,000 00	
May 1, 1905	R.	3½	"	—30 "	May 1, 1935	15,000 00	
May 1, 1906	R.	4	"	—30 "	May 1, 1936	10,000 00	
Apr. 1, 1907	R.	4	"	—30 "	Apr. 1, 1937	35,000 00	
Dec. 1, 1908	R.	4	"	—30 "	Dec. 1, 1938	5,000 00	$402,000 00

SEWER LOAN. (Improved Sewerage.)

Nov. 1, 1899	R.	3½	per cent.	—30 yrs.	Nov. 1, 1929	$42,000 00	
July 2, 1900	R.	3½	"	—30 "	July 2, 1930	100,000 00	
Aug. 1, 1901	R.	3½	"	—30 "	Aug. 1, 1931	100,000 00	
Nov. 1, 1902	R.	3½	"	—30 "	Nov. 1, 1932	20,000 00	
Apr. 1, 1903	R.	3½	"	—30 "	Apr. 1, 1933	40,000 00	
May 1, 1904	R.	3½	"	—30 "	May 1, 1934	47,000 00	
May 1, 1905	R.	3½	"	—30 "	May 1, 1935	50,000 00	$399,000 00

SEWER LOAN. (Separate System of Drainage.)

May 1, 1904	R.	3½	per cent.	—30 yrs.	May 1, 1934	$25,000 00	
May 1, 1905	R.	3½	"	—30 "	May 1, 1935	25,000 00	
May 1, 1906	R.	4	"	—30 "	May 1, 1936	25,000 00	
Sept. 1, 1906	R.	4	"	—30 "	Sept. 1, 1936	25,000 00	
Apr. 1, 1907	R.	4	"	—30 "	Apr. 1, 1937	25,000 00	
Nov. 1, 1907	R.	4	"	—30 "	Nov. 1, 1937	10,000 00	
Aug. 1, 1908	R.	4	"	—30 "	Aug. 1, 1938	25,000 00	
Dec. 1, 1908	R.	4	"	—30 "	Dec. 1, 1938	12,000 00	$172,000 00

STREET LOAN.

Aug. 1, 1894	C.	4	per cent.	—20 yrs.	Aug. 1, 1914	$30,000 00	
Oct. 1, 1895	R.	4	"	—20 "	Oct. 1, 1915	60,000 00	
Oct. 1, 1896	R.	4	"	—20 "	Oct. 1, 1916	137,000 00	
May 2, 1898	R.	3½	"	—20 "	May 2, 1918	15,000 00	
Nov. 1, 1899	R.	3½	"	—20 "	Nov. 1, 1919	5,000 00	
Nov. 1, 1900	R.	3½	"	—20 "	Nov. 1, 1920	21,000 00	
July 1, 1901	R.	3½	"	—20 "	July 1, 1921	54,000 00	
July 1, 1902	R.	3½	"	—20 "	July 1, 1922	30,000 00	
July 1, 1902	R.	3½	"	—10 "	July 1, 1912	24,000 00	
Nov. 1, 1902	R.	3½	"	—20 "	Nov. 1, 1922	14,000 00	
Apr. 1, 1903	R.	3½	"	—20 "	Apr. 1, 1923	4,000 00	
Nov. 2, 1903	R.	3½	"	—20 "	Nov. 2, 1923	12,000 00	
Sept. 1, 1904	R.	3½	"	—20 "	Sept. 1, 1924	59,000 00	
Nov. 1, 1904	R.	3½	"	—20 "	Nov. 1, 1924	6,500 00	
May 1, 1905	R.	3½	"	—20 "	May 1, 1925	84,000 00	
Nov. 1, 1905	R.	3½	"	—20 "	Nov. 1, 1925	1,500 00	
May 1, 1906	R. & C.	4	"	—20 "	May 1, 1926	100,000 00	
Aug. 1, 1906	R.	4	"	—20 "	Aug. 1, 1926	22,000 00	
Apr. 1, 1907	R.	4	"	—20 "	Apr. 1, 1927	40,000 00	
June 1, 1907	R.	4	"	—20 "	June 1, 1927	19,000 00	
Sept. 1, 1907	R.	4	"	—20 "	Sept. 1, 1927	25,000 00	
Nov. 1, 1907	R.	4	"	—20 "	Nov. 1, 1927	10,000 00	
Jan. 1, 1908	C.	4	"	—20 "	Jan. 1, 1928	34,000 00	
Jan. 1, 1908	C.	4	"	—10 "	Jan. 1, 1918	10,000 00	
June 1, 1908	R.	4	"	—10 "	June 1, 1918	30,000 00	
Aug. 1, 1908	R.	4	"	—10 "	Aug. 1, 1918	7,000 00	
Aug. 1, 1908	R.	4	"	—20 "	Aug. 1, 1928	42,000 00	
Mar. 1, 1909	R.	3½	"	—20 "	Mar. 1, 1929	20,000 00	$916,000 00

TOTAL FUNDED CITY DEBT $7,623,450 00

CITY FUNDED DEBT—Continued.

Following is a statement of the total Funded Water Debt of the City, with rates of interest thereon:—

Date of Issue.	Rate of Interest.	When Due.	Amount.	Total,
July 1, 1889 C.....	4 per cent.—20 yrs.	July 1, 1909.. ...	$20,000 00	
May 1, 1885 R. & C.	4 " —25 "	May 1, 1910.. ...	288,000 00	
July 1, 1890 C.....	4 " —20 "	July 1, 1910.. ...	75,000 00	
Sept. 1, 1890 C.....	4 " —20 "	Sept. 1, 1910.. ...	125,000 00	
Jan. 1, 1891 C.....	4 " —20 "	Jan. 1, 1911.. ...	20,000 00	
Oct. 1, 1891 C.....	4 " —20 "	Oct. 1, 1911.. ...	35,000 00	
Jan. 1, 1892 C.....	4 " —20 "	Jan. 1, 1912.. ...	150,000 00	
May 2, 1892 C.....	4 " —20 "	May 2, 1912.. ...	75,000 00	
Nov. 1, 1892 C.....	4 " —20 "	Nov. 1, 1912.. ...	45,000 00	
Feb. 1, 1893 R.....	4 " —20 "	Feb. 1, 1913.. ...	100,000 00	
Aug. 1, 1893 R. & C.	4 " —20 "	Aug. 1, 1913.. ...	50,000 00	
Apr. 1, 1895 R.....	4 " —20 "	Apr. 1, 1915.. ...	200,000 00	
Aug. 1, 1895 R.....	4 " —20 "	Aug. 1, 1915.. ...	200,000 00	
Apr. 1, 1894 C.....	4 " —30 "	Apr. 1, 1924.. ...	300,000 00	
Apr. 1, 1896 R.....	4 " —20 "	Apr. 1, 1916.. ...	100,000 00	
July 1, 1896 R.....	4 " —20 "	July 1, 1916.. ...	200,000 00	
Aug. 1, 1896 R.....	4 " —20 "	Aug. 1, 1916.. ...	100,000 00	
Oct. 1, 1896 R.....	4 " —20 "	Oct. 1, 1916.. ...	265,100 00	
Apr. 1, 1897 R.....	3½ " —20 "	Apr. 1, 1917.. ...	200,000 00	
July 1, 1897 R.....	3½ " —20 "	July 1, 1917.. ...	100,000 00	
Nov. 1, 1897 R.....	3½ " —20 "	Nov. 1, 1917.. ...	75,000 00	
Dec. 1, 1897 R.....	3½ " —20 "	Dec. 1, 1917.. ...	140,000 00	
May 2, 1898 R.....	3½ " —20 "	May 2, 1918	50,000 00	
June 1, 1898 R.....	3½ " —20 "	June 1, 1918.. ...	60,000 00	
Nov. 1, 1898 R.....	3½ " —20 "	Nov. 1, 1918.. ...	50,000 00	
Nov. 1, 1899 R.....	3½ " —20 "	Nov. 1, 1919.. ...	23,000 00	
Nov. 1, 1900 R.....	3½ " —20 "	Nov. 1, 1920.. ...	30,000 00	
July 1, 1901 R.....	3½ " —20 "	July 1, 1921.. ...	30,000 00	
July 1, 1902 R.....	3½ " —20 "	July 1, 1922.. ...	13,500 00	
Nov. 1, 1902 R.....	3½ " —20 "	Nov. 1, 1922.. ...	5,000 00	
May 1, 1905 R.....	3½ " —20 "	May 1, 1925.. ...	46,000 00	
May 1, 1906 R. & C.	4 " —30 "	May 1, 1936.. ...	280,000 00	
June 1, 1907 R.....	4 " —30 "	June 1, 1937.. ...	49,000 00	
July 1, 1907 C.....	4 " —30 "	July 1, 1937.. ...	25,000 00	
June 1, 1908 R.....	4 " —20 "	June 1, 1928.. ...	20,000 00	
Aug. 1, 1908 R.....	4 " —30 "	Aug. 1, 1938.. ...	17,000 00	$3,561,600 00

SERIAL LOAN.

May 1, 1905 S.....	3½ per cent.— 4 yrs	May 1, 1909.. ...	$12,500 00	
" 1, 1905 S.....	3½ " — 5 "	" 1, 1910.. ...	12,500 00	
" 1, 1905 S.....	3½ " — 6 "	" 1, 1911.. ...	12,500 00	
" 1, 1905 S.....	3½ " — 7 "	" 1, 1912.. ...	12,500 00	
" 1, 1905 S.....	3½ " — 8 "	" 1, 1913.. ...	12,500 00	
" 1, 1905 S.....	3½ " — 9 "	" 1, 1914.. ...	12,500 00	
" 1, 1905 S.....	3½ " —10 "	" 1, 1915.. ...	12,500 00	
" 1, 1905 S.....	3½ " —11 "	" 1, 1916.. ...	12,500 00	
" 1, 1905 S.....	3½ " —12 "	" 1, 1917.. ...	12,500 00	
" 1, 1905 S.....	3½ " —13 "	" 1, 1918.. ...	12,500 00	
" 1, 1905 S.....	3½ " —14 "	" 1, 1919.. ...	12,500 00	
" 1, 1905 S.....	3½ " —15 "	" 1, 1920.. ...	12,500 00	
" 1, 1905 S.....	3½ " —16 "	" 1, 1921.. ...	12,500 00	
" 1, 1905 S.....	3½ " —17 "	" 1, 1922.. ...	12,500 00	
" 1, 1905 S.....	3½ " —18 "	" 1, 1923.. ...	12,500 00	
" 1, 1905 S.....	3½ " —19 "	" 1, 1924.. ...	12,500 00	
" 1, 1905 S.....	3½ " —20 "	" 1, 1925.. ...	12,500 00	
				$212,500 00
				$3,774,100 00

CITY FUNDED DEBT—Concluded.

	1907.	Apr. 1, 1909.	Increase.	Decrease.
Funded Water Debt.....	$3,820,600 00	$3,774,100 00		$46,500 00
Sinking Fund.....	1,582,727 18	1,704,648 77	$121,921 59	
Net Funded Water Debt.	$2,237,872 82	$2,069,451 23	$121,921 59	$168,421 59

RECAPITULATION.

Amount of funded City Loan upon which interest is at 4 per cent.	$3,366,000 00	
Amount of funded City Loan upon which interest is at 3½ per cent.	4,157,450 00	
Amount of funded City Loan upon which interest is at 3 per cent.	100,000 00	
		$7,623,450 00
Amount of Water Loan upon which interest is at 4 per cent.	$2,739,100 00	
Amount of Water Loan upon which interest is at 3½ per cent.	1,035,000 00	
		3,774,100 00

Temporary loans for the past twelve years, and interest upon the same:—

Year.	Temporary Loan.	Interest paid upon Loan.	Year.	Temporary Loan.	Interest paid upon Loan.
1897.....	$600,000	$6,186 40	1903.....	$701,000	$9,388 13
1898.....	500,000	9,642 86	1904.....	550,000	8,548 37
1899.....	550,000	6,968 86	1905.....	575,000	8,829 92
1900.....	600,000	9,961 96	1906.....	413,000	9,314 60
1901.....	550,000	6,759 03	1907.....	720,000	13,794 10
1902.....	520,000	8,337 76	1908.....	495,000	9,175 71

THE TRUST FUNDS

Assumed by the City are held by trustees, and interest is paid upon them at the rate of 6 per cent. annually, as follows:—

Name of Fund.	Amount.	Interest.
Daniel White Charity Fund.....	$5,000	At 6 per cent.....$300
Dowse Institute Fund.....	10,000	At 6 per cent..... 600
Sanders Temperance Fund.....	10,000	At 6 per cent..... 600
	$25,000	$1,500

DANIEL WHITE CHARITY. ($10,360.00.)

Established by Daniel White, of Charlestown, in his lifetime, for the purchase and distribution of fuel among the deserving poor of Cambridge, his native city.

May 15, 1863, he appointed four trustees, with the Mayor of Cambridge, *ex officio*, to hold the fund of $5,000.00, the interest only to be expended. The trustees fill any vacancies in their number, in case of death, etc. Ex-Mayor J. Warren Merrill added to this fund a bequest in cash and stocks to the value of $5,360.00, thus making the principal $10,360.00. The present permanent members are George S. Saunders, Lucas B. Grover, Willard A. Bullard and George H. Howard, and the fund is invested by the trustees.

THE TRUST FUNDS—Continued.

THE DOWSE INSTITUTE. ($10,000.00.)

The executors of Thomas Dowse, under a discretionary power in his will, gave to the City, on June 3, 1858, the sum of ten thousand dollars for an annual course of lectures, the City agreeing to pay to the trustees of said institute interest thereon at the rate of six per cent. per annum. The trustees consist of three permanent members, with the Mayor and the President of the Common Council, for the time being. The original permanent members were appointed by the executors, and the board fills its own vacancies.

THE SANDERS TEMPERANCE FUND. ($10,000.00.)

This sum was given to the City by the will of Charles Sanders, of Cambridge, who died April 7, 1864, for the support of a missionary to promote the cause of temperance. The trustees consist of the Mayor, President of the Board of Aldermen and President of the Common Council. The fund is invested in a note of the City, bearing interest payable quarter-yearly.

THE HOPKINS FUND. (£500.)

Edward Hopkins died in London, England, in 1657 or 1658, leaving £500 to be used upon the death of his widow, to aid a college and school in New England. The Court of Chancery gave it to Harvard College and a school in Cambridge. One-fourth of the net income is paid annually to the City for classical instruction in the Latin School. The trustees are a corporation established in Boston.

[CHAPTER 322.]

AN ACT TO PROVIDE FOR THE AUDITING OF CERTAIN TRUST FUNDS AND ACCOUNTS.

Be it enacted, etc., as follows:

SECTION 1. It shall be the duty of city and town auditors at least once every year, and so much oftener as they may deem it necessary, to audit the accounts of the trustees of any property, the principal or income of which, in whole or in part, was bequeathed or given in trust for the benefit of the city or town or any part thereof, or for the benefit of the inhabitants of the city or town or any part thereof, and to examine and estimate the funds, securities and evidences of property held by such trustees. City and town auditors shall include in their annual reports a report of such auditing and investigation; and if they discover any fraud or irregularity they shall immediately report the same to the mayor and treasurer of the city or to the selectmen and treasurer of the town.

SECTION 2. It shall be the duty of the trustees designated in section one hereof to give city and town auditors free access to their accounts, funds, securities and evidences of property; and any such trustee who refuses to exhibit his trust accounts, funds, securities and evidences as aforesaid shall be subject to a fine of not less than fifty nor more than two hundred dollars.

SECTION 3. This act shall be construed as applying only to property held in trust for public uses. [*Approved May* 9, 1904.]

Under the provisions of the foregoing Act, I hereby certify that I have examined the accounts, vouchers and securities belonging to the Trust Funds held for public uses and find them correct and in excellent condition.

Attest,

HARRY T. UPHAM, *City Auditor.*

THE TRUST FUNDS—Continued.

CEMETERY FUND FOR PERPETUAL CARE OF LOTS.

Held in trust by the City, comprising sums received from the proprietors of lots in Cambridge Cemetery for the perpetual care of their lots therein. The fund is almost all invested in City of Cambridge registered bonds. First established in 1860.

Amount of Fund, Dec. 1, 1907	$73,549 04	
Received in 1908, from proprietors of lots	4,126 42	
Interest	15 00	
		$77,690 46
Invested as follows, viz.:—		
City of Cambridge registered bonds	$76,450 00	
Deposited in Cambridgeport Savings Bank	1,240 46	
		$77,690 46
Interest received during the 16 months ending March 31, 1909, and paid for care of lots		$2,884 93

CEMETERY FUND: DEEDS IN TRUST.

Held in trust by the City, comprising sums received from the proprietors of lots in Cambridge Cemetery for the furtherance of certain trusts mentioned in conveyances of lots to the City in trust.

The fund amounts to $162.00, and was first established in March 11, 1901.

Deposited in Cambridgeport Savings Bank	$162 00

THE BRIDGE CHARITABLE FUND.

Founded by the late Levi Bridge, of Cambridge, in his lifetime, by a deed of trust dated August 12, 1875, and upon his death (April 15, 1876), the amount of said fund came into the hands of the City. In October, 1877, Mr. Samuel F. Bridge, a relative of the founder, gave a sum sufficient to double the amount. When the fund reached two thousand dollars one-third of the income was to be added to the principal and two-thirds paid over annually to the Overseers of the Poor, to be expended for the deserving poor of Cambridge. The trustees consist of the Mayor, the President of the Board of Aldermen, and the President of the Common Council.

Balance in Bank, Nov. 30, 1907	$2,506 27
Receipts from interest on fund	141 42
	$2,647 69
Amount paid to Overseers of the Poor	134 57
Balance in Cambridgeport Savings Bank	$2,513 12

THE TRUST FUNDS—Continued.

CITIZENS' SUBSCRIPTION FUND. ($5,500.00.)

In 1889, a committee of citizens raised by subscription a fund to enable the trustees to purchase a large number of books at the time the new public library building was opened. The unexpended balance (fifty-five hundred dollars), was invested and the income is used for the same purpose.

Balance in bank, Nov. 30, 1907	$52 20	
Receipts	287 05	
		$339 25
Expenditures		335 43
Balance on deposit		$3 82
The principal is invested in Cambridge Sewer Bonds		$5,500 00

CUMMINGS LEGACY. ($2,000.00.)

As provided in the will of Daniel P. Cummings, who died May 3, 1889, the sum of two thousand dollars was paid over to the trustees of the Public Library, the annual income to be expended by said trustees in the purchase of non-sectarian books for the Public Library.

Balance on deposit, Nov. 30, 1907	$11 15	
Receipts	120 00	
		$131 15
Expended		128 20
Balance on deposit		$2 95
The principal is invested in Cambridge Water Bonds		$2,000 00

FAY LEGACY. ($1,000.00.)

In accordance with the provisions of the will of Isaac Fay, who died December 29, 1872, the sum of one thousand dollars was paid to the trustees of the Dana Library (now the Cambridge Public Library) for the time being, "which sum shall be safely invested by said trustees, and the income thereof appropriated to the purchase of books for said Library."

Balance on deposit, Nov. 30, 1907	$13 37	
Receipts	52 50	
		$65 87
Expenditures		57 90
Balance on deposit		$7 97
The principal is invested in a Cambridge bond		$1,000 00

THE TRUST FUNDS—Concluded.

WILLIAM E. SAUNDERS FUND. ($7,409.54.)

In accordance with the will of Abigail L. Prentiss, the residue, after the termination of certain annuities, was paid to the Trustees of the Cambridge Public Library, the annual income to be used for the purchase of books to be placed in the William E. Saunders alcove, and for the care of the same. This alcove is assigned to books on genealogy.

Balance on deposit, Nov. 30, 1907	$5 48	
Receipts	268 98	
		$274 46
Expenditures		273 69
Balance on deposit		$ 77
The principal is invested as follows, viz.:—		
Cambridge Bonds	$7,000 00	
Cambridgeport Savings Bank	433 52	
		$7,433 52

JAMES A. WOOLSON FUND. ($5,000.00.)

By the bequest of James A. Woolson the sum of five thousand dollars was paid to the Trustees of the Cambridge Public Library, the income only to be used for the purchase of books. In each book purchased there is placed an appropriate book-plate.

Balance on deposit, Nov. 30, 1907	$20 54	
Receipts	175 00	
		$195 54
Expenditures		194 43
Balance on deposit		$1 11
The principal is invested in Cambridge Bonds		$5,000 00

SARAH E. RUSSELL FUND. ($814.41.)

As provided in the will of Sarah E. Russell, of Cambridge, who died October 6, 1897, the sum of eight hundred fourteen dollars and forty-one cents was paid to the City by the executors of the will, "the income therefrom to be annually expended in or towards providing a Christmas tree or Christmas gifts and entertainments for the inmates at the time of the Cambridge Almshouse." Mrs. Russell was the widow of Hon. Charles Theodore Russell, and the mother of Hon. William E. Russell, both of whom served the City as Mayor.

Amount of deposit in Cambridgeport Savings Bank,

Nov. 30, 1907	$814 41
Interest	30 81
	$845 22
Amount paid as per provision of bequest	30 81
Balance in Cambridgeport Savings Bank, March 31, 1909	$814 41

TAXES.

The amount of taxes assessed by the Board of Assessors on the real and personal estates and polls of Cambridge, for the year 1908, was as follows:—

Valuation of real estate		$90,026,300 00
Valuation of personal estate		16,854,775 00
		$106,881,075 00
Assessed at $20.10 per $1,000 gives		$2,148,309 6075
25,815 polls at $2		51,630 0000
Bank stock (non-residents separately assessed)		4,324 0125
		$2,204,263 6200
The tax is divided as follows:—		
For City purposes*		$1,709,734 5100
County Assessments		106,401 6700
Overlay		45,750 4375
State Assessments:—		
State charge for non-resident bank stock		4,324 0125
State	$168,740 00	
Sewerage	99,768 95	
Parks	56,080 91	
Armory	1,343 13	
Grade Crossings	12,120 00	
		338,052 9900
		$2,204,263 6200
Increase in real estate valuation		$791,000 00
Loss in personal valuation		919,215 00
Decrease in number of polls since last year, 249 polls at $2		498 00
Loss in valuation since last year		$128,215 00

Number of houses in 1908	13,969 5-6
Number of horses assessed	3,717
Number of cows assessed	112
Number of swine assessed	40
Number of mules assessed	20

*To meet the City expenses the income from various departments is added to this sum raised by taxation.

Statement of the valuations of the personal property and real estate of the City of Cambridge, with the number of polls, dwellings, and rate of taxation for the past nineteen years:—

Year.	Polls.	Personal.	Real Estate.	Total.	Dwellings.	Rate per $1,000.
1890	19,221¾	$15,339,925	$52,235,000	$67,574,925	10,615	$15 60
1891	20,731¼	16,508,770	54,167,914	70,676,684	10,932	15 50
1892	22,013½	17,687,595	56,668,100	74,355,695	11,359	15 00
1893	22,752	17,511,089	58,782,900	76,293,989	11,768	16 40
1894	22,172	16,658,320	60,877,300	77,535,620	12,262	15 80
1895	22,781	16,607,360	64,303,700	80,911,060	12,305	15 70
1896	23,847	15,914,995	67,835,100	83,750,095	12,723	15 10
1897	24,407	16,302,545	70,339,200	86,641,745	13,217	17 50
1898	24,628	16,642,990	72,908,100	89,551,090	13,473	16 40
1899	24,995	16,991,995	74,550,800	91,542,795	13,588	17 10
1900	25,117	17,865,230	76,600,700	94,465,930	13,713	16 90
1901	25,306	17,648,575	78,568,300	96,216,875	13,846½	16 90
1902	25,680	17,742,985	80,396,900	98,139,885	13,889 2-3	18 30
1903	25,749	17,708,510	87,063,400	104,771,910	13,833	16 90
1904	25,968	17,346,500	87,481,100	104,827,600	13,858	17 90
1905	26,696	15,994,100	87,851,500	103,845,600	13,893	19 00
1906	26,434	16,550,235	88,603,000	105,153,235	13,937½	18 60
1907	26,064	17,773,990	89,235,300	107,009,290	14,018 1-5	18 80
1908	25,815	16,854,775	90,026,300	106,881,075	13,969 5-6	20 10

Abatements upon taxes for the past nineteen years, and amount of tax uncollected March 31, 1909:—

Year.	Total Tax.	Total Abatements	Amount of Tax uncollected March 31, 1909.
1890	$1,099,741 38	$20,966 82	.....
1891	1,143,712 67	21,343 12	.....
1892	1,240,186 50	21,636 54	.....
1893	1,303,639 84	24,678 10	.....
1894	1,278,899 72	26,926 07	.....
1895	1,324,613 76	19,427 40	.....
1896	1,321,932 65	17,922 54	.....
1897	1,574,047 50	22,081 73	.....
1898	1,527,863 88	27,566 98	.....
1899	1,623,592 35	35,317 61	.....
1900	1,654,588 36	33,005 90	.....
1901	1,683,690 84	24,390 38	.....
1902	1,854,557 82	30,013 44	.....
1903	1,828,456 95	41,525 33	$19,605 18
1904	1,934,772 56	50,088 47	18,955 49
1905	2,031,457 20	48,886 73	20,763 41
1906	2,012,805 80	61,528 79	20,868 95
1907	2,068,170 44	63,352 34	36,804 28
1908	2,204,263 62	53,233 20	139,942 53

ABATEMENT CERTIFICATES ALLOWED BY BOARD OF ASSESSORS.

	Real.	Personal.	Polls.	Total.
Taxes of 1902				
" " 1903		$35 49		$35 49
" " 1904		1 79		1 79
" " 1905				
" " 1906	$124 62	6 80	$2 00	153 42
" " 1907	4,205 56	788 98	48 00	5,042 54
" " 1908	28,602 33	11,274 11	680 00	40,556 44
Street Watering				271 47
Moth Assessment				9 59
	$32,932 51	$12,107 17	$730 00	$46,050 74

The valuation of estates in this City, for the years hereinbefore mentioned, are the same as originally made by the Board of Assessors during those years and the same figures were reported by that Board to the Tax Commissioners for each of the years respectively. These valuations were subject to changes in each year, after such report was made, as shown by the following:

Net valuations of estates in the City of Cambridge, for the past three years, after adding the amounts of all supplementary warrants and deducting therefrom all abatements:—

Year.	Total Valuation.	Abatements.	Net Valuation.
1906	$105,412,435	$2,667,115	$102,745,320
1907	107,075,390	2,909,359	104,166,031
1908	107,366,375	1,983,900	105,382,475
	$319,854,200	$7,560,374	$312,293,826

BORROWING CAPACITY.

The average net valuation of the City of Cambridge for the years 1906, 1907 and 1908 . . .			$104,097,942

This last sum represents the amount upon which the limit of the rate of taxation, and also of municipal indebtedness is fixed under the provisions of Section 3 of Chapter 27 of the Revised Laws.

2 1-2 per cent. on same is			$2,602,448 55
The entire City Debt is		$7,623,450 00	
Of this amount the following loans are not within the legal debt limit, being exempted by the following Acts of the Legislature:—			
Cambridge Bridge Loan.			
Acts of 1898, Chapter 467 .	$1,600,000 00		
Brookline Bridge Approach.			
Acts of 1898, Chapter 467 .	25,000 00		
Acts of 1904, Chapter 391 .			
Commercial Avenue Bridge.			
Acts of 1903, Chapter 372 .	50,000 00		
Cambridge Bridge Special Loan. Charles River Dam			
Acts of 1904, Chapter 158 .	28,000 00		
Clay Land Loan.			
Acts of 1896, Chapter 175 .	97,000 00		
Harvard Bridge Loan.			
Acts of 1887, Chapter 282 .	400,000 00		
Acts of 1888, Chapter 73 .			
Acts of 1891, Chapter 316 .			
Park Loan.			
Acts of 1892, Chapter 341 .	1,561,000 00		
Acts of 1893, Chapter 337 .			
Acts of 1894, Chapter 89 .			
Acts of 1897, Chapter 469 .			
Acts of 1899, Chapter 221 .			
Sewer Loan.			
Acts of 1899, Chapter 473 .	399,000 00		
Acts of 1899, Chapter 189 .			
Acts of 1903, Chapter 383 .	172,000 00		
Hospital Loan.			
Acts of 1895, Chapter 99 .	26,000 00		
Met. Park Assessment Loan.			
Acts of 1902, Chapter 325 .	46,000 00		
City of Cambridge Loan.			
Acts of 1908, Chapter 367 .	400,000 00		
		4,804,000 00	
		$2,819,450 00	
The entire Sinking Fund is .	$1,418,503 46		
Of this amount there should be deducted on account of Exempted Loans as follows:—			
Cambridge Bridge . $100,161 67			
Amounts carried forward . .	$1,418,503 46	$2,819,450 00	$2,602,448 55

BORROWING CAPACITY—Concluded.

Amounts brought forward . .	$1,418,503 46	$2,819,450 00	$2,602,448 55
Harvard Bridge . 225,011 95			
Brookline Bridge . 683 50			
Commercial Avenue Bridge . . 1,367 00			
Parks . . . 312,775 86			
Clay Lands . . 67,839 91			
Improved Sewerage 63,561 62			
Hospital . . 1,470 75			
Metropolitan Park Assessment . 6,615 21			
Cambridge Bridge Special . . 2,603 75			
Separate System of Drainage . 5,930 84			
	788,022 06		
Net Sinking Fund . . .		630,481 40	
Net City Debt, March 31, 1909 .			2,188,968 60
Borrowing capacity for City purposes, March 31, 1909			$413,479 95

A Table of Ordinary Expenditures from 1904 to 1908 (inclusive).

	1904.	1905.	1906.	1907.	1908.
1. General Government:					
1.1 Mayor's Department	$5,894 15	$5,990 00	$6,084 74	$6,179 76	$6,178 39
1.2 Councils:					
City Messenger's Department	1,759 31	1,980 00	2,160 89	2,379 85	2,359 00
Clerk of Committees	3,727 50	3,649 94	3,784 19	4,201 95	4,211 15
City Council Expenses	4,738 85	8,887 98	6,041 29	5,493 09	5,505 27
City Clerk's Department	8,234 71	8,425 84	8,699 63	8,900 87	8,918 08
	$18,460 37	$22,943 76	$20,686 00	$20,975 76	$20,993 50
1.3 Law Department	4,963 17	4,800 00	4,857 31	5,331 29	5,124 00
1.4 Finance:					
Auditing Department	4,278 75	4,162 50	4,300 00	4,299 52	4,297 87
Assessors' Department	16,107 64	15,791 84	15,150 96	15,599 99	14,546 96
Treasurer's (and Collector)	16,045 63	17,456 67	16,699 01	19,076 33	18,950 64
Sinking Fund Officials	365 00	365 00	341 00	325 00	365 00
	$36,797 02	$37,776 01	$36,490 97	$39,300 84	$38,160 47
1.5 Elections:					
Election Expenses, City Cl'rk	9,693 28	8,857 05	10,199 60	11,287 59	10,998 87
" Registr's of Vot'rs	4,453 08	4,188 70	4,599 38	4,488 29	4,555 74
" Sup't B'ld'gs	2,393 75	2,393 27	4,099 59	3,191 37	3,532 50
	$16,540 11	$15,439 02	$18,898 57	$18,967 25	$19,087 11
1.6 City Hall:					
City Building Account	24,650 36	20,746 68	19,578 55	25,558 50	23,540 82
1.7 Miscellaneous:					
Postage and Stat'ry, Mes'g'r	1,399 63	1,698 44	1,699 96	1,688 31	1,518 19
Miscellaneous	.....	.....	.....	.....	29 95
	$1,399 63	$1,698 44	$1,699 96	$1,688 31	$1,548 14
Total General Government	$108,704 81	$109,393 91	$108,296 10	$118,001 71	$114,632 43
2. Protection of Life and Property:					
2.1 Police Department	$143,271 60	$152,417 52	$156,330 06	$166,389 41	$167,189 23
2.2 Fire Department:	96,515 55	114,498 01	115,456 32	123,739 24	129,711 40
2.2a Fire and Police Telegraph:					
Electrical Dept.—Wire Acc't	13,460 41	13,403 00	13,222 24	13,358 82	16,118 03
2.3 Inspectors:					
Superintendent of Buildings	6,718 96	6,930 69	6,995 86	6,998 81	6,867 17
Plumbers' Examiners Dept.	87 80	72 92	148 68	119 93	54 33
Sealer of W'ts and Measures	2,274 77	2,513 18	2,747 43	2,762 86	2,943 82
Removal of City Scales	.....	.....	.....	510 34	.....
	$9,081 53	$9,516 79	$9,891 97	$10,391 94	$9,865 32
2.4 Militia and Armories:					
Armory, Beech St	124 81	.....	.....	.....	.....
Rifle Range	543 50	606 51	692 07	1,016 00	1,100 39
Car Tickets to and from Rifle Range	299 31	643 49	649 88	462 50	500 00
	$967 62	$1,250 00	$1,341 95	$1,478 50	$1,600 39
Total Protection of Life and Property	$263,296 71	$291,085 32	$296,242 54	$315,357 91	$324,484 37

	1904.	1905.	1906.	1907.	1908.
3. Health and Sanitation:					
3.1 Health Department:					
Salaries and Gen'l Expenses	$21,143 36	$20,166 69	$20,560 98	$29,911 64	$41,129 96
Small-pox Hospital	870 82	848 48	290 79	.....	.....
Day Camp	.....	.....	.....	.....	10,956 32
Diphtheria Hospital	8,194 22	8,139 61	8,592 73	8,521 99	7,907 06
Insp'ct'r of Milk and Vineg'r	1,661 72	2,139 49	1,999 70	2,001 47	2,043 45
Modified Milk	.....	.....	1,338 37	1,190 53	1,264 76
Inspector of Animals	769 64	773 40	799 19	886 14	827 50
	$32,639 76	$32,067 67	$33,581 76	$42,511 77	$64,129 05
3.2 Sewers and Sewage Disposal:					
Sewer Dept.—Maintenance	17,520 11	17,652 59	18,602 65	19,469 20	19,714 40
Metropolitan Sewer Tax	86,891 58	89,341 00	84,895 57	64,323 01	99,768 95
	$104,411 69	$106,993 59	$103,498 22	$83,792 21	$119,483 35
3.3 Refuse Collection and Disposal:					
Overseers of Poor — House Offal	31,011 64	33,635 00	33,200 00	35,985 15	36,189 01
Collection of Ashes	32,096 98	32,499 23	33,686 46	37,458 48	44,150 50
	$63,108 62	$66,134 23	$66,886 46	$73,443 63	$80,339 51
Total Health and Sanitation	$200,160 07	$205,195 49	$203,966 44	$199,747 61	$263,951 91
4. Highways and Bridges:					
4.1 Administration:					
Engineering Department	$9,624 92	$9,164 38	$9,595 31	$9,581 82	$9,721 85
Salaries—Superintendent of Streets and Clerks	4,237 34	4,482 52	6,170 00	6,273 00	6,388 00
	$13,862 26	$13,646 90	$15,765 31	$15,854 82	$16,109 85
4.2 Opening, Grading and Widening Streets:					
Grade Crossings	.....	.....	50 00	.....	.....
Board of Survey	174 00	114 18	171 57	174 73	.....
4.3 Street Paving:					
Rebuilding Streets	56,467 84	52,394 28	39,292 45	97,573 89	.....
Maintenance	69,993 13	69,995 34	69,196 97	64,875 53	75,395 94
Crossings	.....	.....	.....	2,662 27	2,499 76
	$126,460 97	$122,389 62	$108,489 42	$165,111 69	$77,895 70
4.4 Sidewalk Repairs	9,997 18	.....	9,535 78	5,494 80	4,999 81
4.5 Street Lighting	76,787 97	78,578 77	79,426 11	79,693 32	80,959 90
4.6 Street Cleaning	30,999 43	30,997 92	33,961 86	36,984 62	36,936 71
4.7 Snow Removal	17,999 07	16,498 10	5,987 62	8,997 32	5,062 48
4.8 Street Sprinkling	28,000 00	28,000 00	28,558 14	31,291 10	34,980 47
4.9 Bridges:					
Boston Bridges	16,794 63	15,858 61	17,079 80	11,891 38	17,394 96
Bridges—Street Department	3,097 77	5,897 86	4,319 32	7,537 26	5,398 81
	$19,892 40	$21,756 47	$21,399 12	$19,428 64	$22,793 77
4.10 Care of Trees:					
Shade Trees	4,999 70	4,999 23	6,499 55	4,999 92	4,499 94
Moth Extermination	6,699 57	11,324 05	13,994 63	8,999 67	7,999 17
Total Highways and Bridges	$335,872 55	$328,305 24	$323,839 11	$377,030 63	$292,237 80

	1904.	1905.	1906.	1907.	1908.
5. Charities:					
Hospitals	.....	$1,748 72	$1,599 90	$1 599 71	$1,637 33
Insane:					
Oustide Aid—Care of Insane	$8,112 24	27 39	.....	2,638 94	.....
Almshouses:					
City Farm	4,957 25	4,977 69	4,974 85	4.979 24	4,224 91
City Home	19,293 11	19,986 76	19,738 88	19,504 55	21,160 00
	$24,250 36	$24,964 45	$24,713 73	$24,483 79	$25,384 91
Out-Door Relief:					
Salaries	2,755 00	2,748 75	2,742 50	3,560 00	3,771 11
General Expenses (less care of Insane)	14,496 14	13,970 64	17,980 46	18,174 63	22,021 93
City Physician	1,500 00	1,500 00	1,500 00	1.500 00	2,000 00
	$18,751 14	$18,219 39	$22,222 96	$23,234 63	$27,793 04
Total Charities	$51,113 74	$44,959 95	$48,536 59	$51,957 07	$54,815 28
6. Education:					
Schools:					
Salaries: Janitors	$36,739 11	$37,459 55	$40,497 75	$42,917 44	$42,174 65
General Expenses	57,590 75	51.470 44	49.999 95	54,249 65	78,214 07
Care of Truants	2,184 43	1,888 26	1,693 18	3,278 68	2,621 14
Flags	105 60	71 95	44 85	32 40	299 60
Incidentals	1,942 32	1,586 16	1,516 54	2,899 64	2,433 80
Salaries, T'ch'rs and Offic'rs	365,035 39	376,264 39	389,048 52	394,999 00	359,159 18
Text Books and Supplies	28,538 27	22,276 20	19,885 63	28,249 57	25,999 26
Transportation	321 00	368 00	348 00	222 00	324 00
Vacation Schools	1,957 43	1,679 64	1,801 27	1,913 39	1,791 18
	$494,414 30	$493,064 59	$504,835 69	$528,761 77	$513,016 88
Total Education	$494,414 30	$493,064 59	$504,835 69	$528,761 77	$513,016 88
7. Libraries:					
Main Library	$18,690 93	$20,698 39	$21,713 90	$21,499 09	$22,148 97
East Cambridge Branch	1,799 09	1,879 38	1,890 45	2,039 25	2,439 23
North Cambridge Branch	.....	.....	2,725 45	2,598 46	3,610 02
Total Libraries	$20,490 02	$22,577 77	$26,329 80	$26,136 80	$28,198 22
8. Recreation:					
Parks:					
Metropolitan Park Tax	$38,064 53	$39,570 87	$47,502 47	$51,181 40	$56,080 91
Commons, Squares and Public Grounds	4,999 90	4,999 70	6,250 00	5,299 61	4,099 83
Cambridge Field and Shelter	5,399 14	5,999 54	6,189 95	5,999 89	5,994 81
General Account	599 99	598 80	2,099 96	1,399 59	1,181 27
Salaries	.....	.....	.....	2,144 00	2,305 00
Sections A, B, D, F and Rindge Field	2,699 71	3,499 81	4,747 05	5,799 31	5,725 45
Sections G and H	3,298 10	3,499 67	2,499 66	1,999 77	1,999 68
Shelter at Rindge Field	.....	.....	109 66	.....	.....
Gymnasium at Rindge Field	.....	.....	500 00	.....	.....
Schoolhouse Grounds	.....	.....	199 93	.....	.....
Sand Gardens	.....	.....	.....	199 79	199 04
	$55,061 37	$58,168 39	$70,098 68	$74,023 36	$77,585 99

	1904.	1905.	1906.	1907.	1908.
Baths:					
Bath House (Captain's Island)	1,696 30	2,271 04	2,299 90	2,299 56	2,195 97
Celebrations:					
Independence Day	1,692 40	1,629 63	1,660 79	1,627 33	1,397 03
Labor Day	400 00	399 84	399 97	399 65	299 93
Memorial Day	1,100 00	1,100 00	1,100 00	1,100 00	1,100 00
Miscellaneous					
Old Home Week				491 00	
	$3,192 40	$3,129 47	$3,160 76	$3,617 98	$2,796 96
Total Public Recreation	$59,950 07	$63,568 90	$75,559 34	$79,940 90	$82,578 92
9. Soldiers' Benefits:					
State Aid—Soldiers' Relief	$25,657 32	$26,846 05	$27,278 39	$30,377 74	$31,676 20
Total Soldiers' Benefits	$25,657 32	$26,846 05	$27,278 39	$30,377 74	$31,676 20
10. Unclassified:					
Damages to persons and personal property	$1,487 93	$1,739 25	$2,438 17	$1,851 00	$2,547 17
Civil Service Labor Registration	244 87	250 00	349 52	348 60	349 47
	$1,732 80	$1,989 25	$2,787 69	$2,199 60	$2,896 64
Total Unclassified	$1,732 80	$1,989 25	$2,787 69	$2,199 60	$2,896 64
11. Interest:					
Payment of Interest Upon Debt:					
Upon Funded Debt	$167,736 50	$172,343 13	$173,562 25	$192,734 75	$212,506 50
Upon Temporary Tax Loans	8,548 37	8,187 70	9,314 60	13,794 10	9,175 71
Upon Park Loans	52,610 00	54,210 00	55,392 50	56,620 00	57,260 00
Upon Water Loans	126,126 50	135,506 50	143,827 75	150,165 25	148,387 75
	$355,021 37	$370,247 33	$382,097 10	$413,314 10	$427,329 96
Miscellaneous Interest:					
Interest on Trust Funds	1,500 00	1,500 00	1,500 00	1,500 00	1,500 00
Total Interest	$356,521 37	$371,747 33	$383,597 10	$414,814 10	$428,829 96
12. Cemeteries and Crematories:					
Cambridge Cemetery	$18,078 82	$17,992 08	$19,764 45	$19,846 00	$18,924 10
Total for Cemeteries and Crematories	$18,078 82	$17,992 08	$19,764 45	$19,846 00	$18,924 10
13. Municipal Industries:					
Water Works:					
Maintenance	$97,845 40	$103,043 80	$73,583 31	$75,764 72	$88,664 39
Refunds and Abatements	7,291 63	4,764 40	4,710 37	7,260 72	4,381 11
	$105,137 03	$107,808 20	$78,293 68	$83,025 44	$93,045 50
Total Municipal Industries	$105,137 03	$107,808 20	$78,293 68	$83,025 44	$93,045 50

	1904.	1905.	1906.	1907.	1908.
14. Municipal Indebtedness:					
Direct Payment of Matured Debt:					
(Not from sinking funds, but from tax levy direct)	$51,000 00	.....	$12,500 00	$12,500 00	$12,500 00
Payments to Sinking Funds:					
Park	$22,973 33	$23,386 67	$24,120 00	$24,453 33	$24,586 66
Cambridge Bridge	8,000 00	14,000 00	17,333 33	19,333 33	20,733 33
Cambridge Bridge Special	.....	616 00	616 00	616 00	616 00
Clay Lands	5,335 00	5,335 00	5,335 00	5,335 00	5,335 00
General	104,408 25	99,804 50	98,962 00	105,520 38	108,345 38
Harvard Bridge	8,800 00	8,800 00	8,800 00	8,800 00	8,800 00
Improved Sewerage	6,644 00	7,678 00	8,778 00	9,878 00	8,778 00
Separate System of Drain'ge	.....	550 00	1,100 00	1,100 00	2,970 00
Water	121,522 50	121,522 50	126,871 49	132,143 62	122,538 00
Hospital	225 00	225 00	225 00	225 00	225 00
Metropolitan Park Assessm't	1,012 00	1,012 00	1,012 00	1,012 00	1,012 00
Brookline Bridge	.....	.....	.....	333 33	333 33
Commercial Ave. Bridge	.....	.....	.....	666 67	666 67
Total Sinking Funds	$278,920 08	$282,929 67	$293,152 82	$309,416 66	$304,939 37
15. Taxation:					
15.1 Real, Personal and Poll Taxes:					
Abatements, etc	$46,771 14	$41,106 18	$53,104 79	$57,445 45	$46,050 74
Refund of Excess Taxes	8,486 96	7,486 18	8,366 94	5,906 89	6,386 05
Invalid Tax Titles	110 44	274 37	57 06	.....	1,077 47
	$55,368 54	$48,866 73	$61,528 79	$63,352 34	$53,514 26
15.2 Other Taxes (except Franchise Taxes):					
Bank Tax	6,650 66	4,459 99	4,351 35	4,471 40	4,386 08
Excise Tax, Refunds	.....	.....	278 43	1 24	.....
15.3 Liquor Licenses	14 75	15 00	13 75	14 50	13 00
15.4 Other Licenses:					
Minor's License Refunds	.....	.....	.....	33 00	85 40
15.5 Miscellaneous:					
Lien Account Tax	44 01	316 15	3,995 10	40 57	215 18
State Tax	80,775 00	129,240 00	113,085 00	122,720 00	168,740 00
County Tax	109,201 21	106,119 75	112,483 29	108,266 83	106,401 67
Armory Tax	10,445 68	10,348 61	10,378 35	10,292 04	1,343 13
Charles River Dam	28,000 00	.....	.....	.....	.....
Grade Crossing	7,977 69	9,330 14	12,536 94	12,572 00	12,120 00
	$236,443 59	$253,354 65	$252,478 68	$253,891 44	$288,819 98
Total Taxation	$298,477 54	$308,696 37	$318,651 00	$321,763 92	$346,818 72

A TABLE OF EXTRAORDINARY EXPENSES FROM 1904 TO 1908 INCLUSIVE.

Paid in Most Cases from Proceeds of Loans Issued or Extraordinary Revenue.

	1904.	1905.	1906.	1907.	1908.
Alteration at Station 4			$7,000 00		
Detention Room, Brattle Sq			1,316 50		
Land for Engine House, Ward 10	$17,622 54	$12,377 13			
Day Camps					$19,997 80
Land for Hospital	35 00	225 00	2,500 00		780 00
Land Damages	49,258 35	8,244 71	5,049 10	$19,681 80	22,201 20
Street Construction	46,250 65	58,375 67	96,577 12	54,818 75	14,008 47
Edgestones and Sidewalks	29,999 13	31,480 36	29,997 49	26,494 54	20,335 27
Subway at Raymond St		882 00	6,445 47		
Incinerator Plant				386 09	16,098 75
Sewer Construction—					
General	49,555 00	19,840 12	14,866 56	15,225 24	5,652 24
Portland St. Sewer				25,387 16	
Gate Chambers				2,831 50	1,096 95
Improved Sewerage	35,730 95	55,480 74	5,815 38		
Separate System of Drainage	19,551 26	23,195 32	50,744 10	19,229 69	42,756 55
Cambridge Bridge	354,442 45	240,227 35	253,126 36	106,926 72	34,668 97
Brookline Bridge Approach			21,516 11	1,851 91	56 75
Commercial Ave. Bridge				18,839 77	10,249 93
Soldiers' Field Bridge				18 24	
Rebuilding First and Third Street Bridges					15,784 98
Water Works Construction	21,851 98	251,232 57	318,460 76	84,181 41	45,334 54
Addition to Roberts Schoolhouse		20,857 49	72 38		
Addition to Wellington Sch'lh'se			8,229 29	39,763 32	36,094 70
Land for Taylor Schoolhouse				2,500 00	
New Sch'lh'se and Land, Fletcher	48,973 55				
New Schoolhouse, Washington	4,698 05				
New Schoolhouse, Kelley	789 87	88 92			
New Schoolhouse, Houghton	8,311 75	87,815 26	197 50	3,720 60	
Addit'n and Equipm't of Rindge Manual Training School	7,144 98	19,551 01	448 40		
Addition to Public Library	371 79				
Park Construction	25,576 13	50,467 17	14,721 78	26,957 59	43,395 08
Street Paving—Broadway, Mt. Auburn, Hampshire and Cambridge Streets					50,140 78
Total	$720,163 43	$880,340 82	$837,084 30	$448,814 33	$378,652 96

RECAPITULATION.

ORDINARY.	1904 Expenditures.	1905 Expenditures.	1906 Expenditures.	1907 Expenditures.	1908 Expenditures.
General Government	$108,704 81	$109,393 91	$108,296 10	$118,001 71	$114,632 43
Protection of Life and Property	263,296 71	291,085 32	296,242 54	315,357 91	324,484 37
Health and Sanitation	200,160 07	205,195 49	203,966 44	199,747 61	263,951 91
Highways and Bridges	335,872 55	328,305 24	323,839 11	377,030 63	292,237 80
Charities	51,113 74	44,959 95	48,536 59	51,957 07	54,815 28
Education	494,414 30	493,064 59	504,835 69	528,761 77	513,016 88
Libraries	20,490 02	22,577 77	26,329 80	26,136 80	28,198 22
Recreation	59,950 07	63,568 90	75,559 34	79,940 90	82,578 92
Soldiers' Benefits	25,657 32	26,846 05	27,278 39	30,377 74	31,676 20
Unclassified	1,732 80	1,989 25	2,787 69	2,199 60	2,896 64
Interest	356,521 37	371,747 33	383,597 10	414,814 10	428,829 96
Cemeteries	18,078 82	17,992 08	19,764 45	19,846 00	18,924 10
Municipal Industries	105,137 03	107,808 20	78,293 68	83,025 44	93,045 50
Municipal Indebtedness	51,000 00	.....	12,500 00	12,500 00	12,500 00
Sinking Funds	278,920 08	282,929 67	293,152 82	309,416 66	304,939 37
Taxation	298,477 54	308,696 37	318,651 00	321,763 92	346,818 72
Total of Ordinary Expenditures	$2,669,527 23	$2,676,160 12	$2,723,630 74	$2,890,877 86	$2,913,546 30

EXTRAORDINARY.	1904 Expenditures.	1905 Expenditures.	1906 Expenditures.	1907 Expenditures.	1908 Expenditures.
General Government	.....	.....	.....	.....	.....
Protection of Life and Property	$17,622 54	$12,377 13	$8,316 50	.....	.....
Health and Sanitation	104,872 21	98,741 18	73,926 04	$62,673 59	$86,382 29
Highways and Bridges	479,950 58	339,210 09	412,711 65	229,017 82	167,446 35
Charities	.....	.....	.....	.....	.....
Education	69,918 20	128,312 68	8,947 57	45,983 92	36,094 70
Libraries	371 79	.....	.....	.....	.....
Recreation	25,576 13	50,467 17	14,721 78	26,957 59	43,395 08
Soldiers' Benefits	.....	.....	.....	.....	.....
Unclassified	.....	.....	.....	.....	.....
Interest	.....	.....	.....	.....	.....
Cemeteries	.....	.....	.....	.....	.....
Municipal Industries	21,851 98	251,232 57	318,460 76	84,181 41	45,334 54
Municipal Indebtedness	.....	.....	.....	.....	.....
Total of Extraordinary Expenditures	$720,163 43	$880,340 82	$837,084 30	$448,814 33	$378,652 96

EXPENDED FOR SALARIES, CLERICAL ASSISTANCE AND LABOR.

Name of Department.	1901	1902	1903	1904	1905	1906	1907	1908
Assessors' Department	$12,775 83	$12,170 95	$12,307 19	$13,249 95	$13,244 88	$13,499 59	$13,749 99	$12,573 50
Auditing	3,154 38	3,273 65	3,746 72	3,878 75	3,812 50	3,900 00	4,000 00	4,028 75
Board of Survey	83 33	33 33	75 00	75 00	75 00	75 00	75 00	.....
Boston Bridges	9,659 16	10,002 76	10,438 49	10,651 52	9,873 78	8,691 43	7,968 12	10,696 73
Brookline Bridge Approach	.....	.....	.....	.....	.....	.....	24 63	41 75
Cambridge Bridge	11,789 12	12,423 70	13,321 38	13,180 24	11,977 04	10,333 00	10,955 32	1,985 58
Cambridge Bridge Approach	.....	.....	.....	.....	16,045 77	8,542 50	898 64	.....
Commercial Avenue Bridge	.....	.....	.....	.....	.....	.....	168 95	364 75
Celebration Independence Day	.....	.....	.....	.....	.....	.....	.....	16 00
Cemetery Department	15,650 67	15,008 22	13,973 92	14,901 60	15,692 91	16,554 60	16,397 28	15,425 56
Rebuilding Wall	.....	.....	.....	.....	.....	.....	.....	363 25
City Clerk's Department	6,298 50	6,007 06	5,995 25	6,331 45	6,526 69	6,739 14	6,852 67	6,941 51
City Council Expenses	600 00	600 00	600 00	600 00	600 00	600 00	600 00	600 00
City Messenger's Department	2,303 33	1,733 31	1,372 00	1,559 31	1,780 00	1,836 00	2,009 47	2,024 00
Civil Service Department	200 00	200 00	200 00	200 00	200 00	299 97	300 00	300 00
Clerk of Committees' Department	3,600 00	3,600 00	3,362 94	3,333 00	3,300 00	3,434 25	3,704 10	3,930 90
Election Expenses, City Clerk	3,721 75	3,482 75	3,401 64	6,185 50	5,302 20	6,064 34	6,811 71	6,609 51
" " Registrars of Voters	2,478 75	2,582 00	1,957 64	3,062 50	2,943 30	3,162 16	3,030 17	3,146 41
Electrical Department, Street Lighting	1,000 00	1,000 00	1,000 00	1,000 00	1,000,00	1,000 00	1,000 00	1,000 00
Electrical Department, Wire Account	7,104 07	7,079 50	6,494 41	7,622 00	8,103 00	8,722 25	8,909 00	11,222 99
Engineering Department	9,869 02	9,251 96	9,154 66	8,719 57	8,285 94	8,764 35	8,682 84	8,974 95
Assessors' Plans	300 00	229 35	176 62	267 62	298 79	251 40	275 83	298 46
Executive Department	4,860 17	4,864 00	5,362 08	5,480 00	5,490 00	5,485 00	5,480 00	5,489 00
Fire Department	76,189 49	77,554 51	78,425 98	78,462 67	88,498 13	95,457 05	101,244 16	107,219 44
Health Department	9,552 50	11,944 78	11,956 85	12,506 79	12,630 00	12,873 69	12,936 04	13,772 21
Diphtheria Hospital	7,644 02	6,298 84	5,425 11	5,316 36	5,483 57	5,456 43	5,456 44	5,181 61
Small-pox Hospital	.....	7,678 25	1,673 51	784 27	782 13	259 29	.....	.....
Day Camp	.....	.....	.....	.....	.....	.....	.....	3,948 45
Inspector of Milk and Vinegar	1,320 00	1,343 31	1,334 65	1,363 50	1,570 66	1,738 84	1,714 16	1,795 00
Modified Milk	.....	.....	.....	.....	.....	.....	.....	242 20
Inspector of Animals	700 00	700 00	700 00	700 00	700 00	700 00	700 00	700 00
Law Department	4,067 20	4,347 50	4,295 00	4,095 15	4,225 96	4,259 00	4,124 00	4,124 00
Overseers of the Poor:—								
City Home	8,131 53	7,466 77	7,285 91	7,293 11	7,736 76	7,738 88	7,034 62	7,060 00
City Home Hospital	.....	.....	.....	.....	420 25	953 83	938 42	988 00
Farm	4,341 90	4,574 23	4,212 55	4,157 25	4,102 78	3,999 85	3,980 78	3,225 00
House Offal	22,926 39	23,179 50	24,169 50	24,511 64	26,936 62	26,775 00	28,320 45	28,189 35
Outside Aid	4,149 16	3,684 25	3,178 78	2,755 00	2,748 75	2,742 50	3,560 00	3,771 11
City Physician	1,500 00	1,500 00	1,500 00	1,500 00	1,500 00	1,500 00	1,500 00	1,500 00
Park Department	35,248 58	38,341 81	35,431 71	35,207 32	61,013 91	42,698 52	35,467 71	52,663 44
Police Department	122,353 52	125,336 19	128,574 59	136,285 36	145,917 52	149,107 37	158,949 88	159,487 29
Amounts carried forward	$393,572 37	$407,492 48	$401,104 08	$415,236 43	$479,818 84	$464,215 23	$467,820 38	$489,900 70

EXPENDED FOR SALARIES, CLERICAL ASSISTANCE AND LABOR—Concluded.

Name of Department	1901	1902	1903	1904	1905	1906	1907	1908
Amounts brought forward..	$393,572 37	$407,492 48	$401,104 08	$415,236 43	$479,818 84	$464,215 23	$467,820 38	$489,900 70
Public Library.....	9,107 45	9,544 01	9,317 23	8,943 08	9,699 08	10,584 75	11,099 41	11,649 56
East Cambridge Branch...	824 81	927 66	850 69	756 64	849 60	891 30	961 30	964 39
North Cambridge Branch..	.....	.....	.....	.....	.....	321 46	1,089 45	1,220 20
Public Property:—								
City Buildings.....	10,478 01	10,699 90	8,727 46	8,871 67	9,255 59	9,895 98	10,908 68	11,775 99
Inspector of Buildings.....	5,012 20	5,500 00	5,400 96	5,819 25	6,031 00	6,170 75	6,271 00	5,822 00
Rebuilding First Street Bridge.....	.....	.....	.....	.....	.....	.....	.....	8,807 63
Rebuilding Third Street Bridge.....	.....	.....	.....	.....	.....	.....	.....	6,977 35
School Department, Salaries of Teachers and Officers.	341,684 05	349,986 25	357,291 30	365,035 39	376,264 39	389,048 52	394,999 00	359,159 18
Vacation Schools.....	1,563 00	865 00	.....	1,836 67	1,495 00	.....	1,526 80	1,582 00
Incidentals.....	425 00	425 00	425 00	425 00	425 00	425 00	425 00	.....
School Houses.....	34,226 45	33,881 88	34,999 25	36,739 11	37,459 55	40,497 75	42,917 44	43,909 65
Sealer of Weights and Measures.....	1,404 89	1,787 25	1,849 62	1,832 50	2,063 18	2,262 52	2,271 54	2,300 00
Sewer Department.....	59,858 30	54,920 53	61,583 97	78,151 65	79,478 53	62,465 03	55,703 41	48,769 61
Sinking Fund Officials.....	325 00	325 00	325 00	325 00	325 00	325 00	325 00	325 00
State Aid.....	1,099 99	1,100 01	633 97	530 50	500 00	500 00	500 00	504 14
Street Department.....	144,406 79	145,189 69	138,071 32	173,721 44	171,780 29	179,382 11	186,781 08	177,002 81
Street Sprinkling Contracts.	21,858 10	24,299 68	19,011 38	23,353 55	23,742 15	23,536 98	25,760 27	30,784 37
Treasury Department.....	10,483 76	10,359 33	9,949 00	10,195 63	10,762 52	10,699 01	10,699 82	10,746 91
Water Department.....	59,487 51	56,076 11	47,428 09	57,737 02	199,401 28	247,529 98	38,129 19	67,296 59
	$1,095,817 68	$1,113,379 78	$1,096,968 32	$1,189,510 53	$1,408,351 00	$1,448,751 37	$1,258,188 77	$1,279,498 08

COMPARATIVE STATEMENT BY DECADES FROM 1855 TO 1905.

	1855	1865	1875	1885	1895	1905
Population...	20,637	29,112	47,838	59,660	81,643	97,426
Valuation	$15,437,100 00	$26,085,909 00	$66,623,014 00	$55,346,555 00	$80,911,060 00	$103,845,000 00
City Tax.....	100,604 53	267,708 60	1,060,396 52	804,800 00	1,103,455 30	1,973,066 40
County Tax..	10,137 78	18,280 99	37,580 73	29,381 54	73,887 84	106,119 75
State Tax.....	5,190 00	118,487 00	58,880 00	44,835 00	46,800 00	129,240 00
Tax rate per $1,000.....	7 10	15 00	17 00	15 50	15 70	19 00
Total expenditures.....	173,533 58	536,911 82	2,605,267 74	2,354,298 69	3,686,702 54	4,357,233 07
City Debt....	146,600 00	833,092 00	4,106,843 21	2,361,396 50	3,913,634 23	6,178,850 00
Expenditures by Depts.:—						
Bridges.....	890 31	9,007 77	39,068 39	11,829 77	16,297 33	21,756 47
Cemeteries.	6,553 67	16,742 29	19,438 66	80,399 22	16,999 40	17,992 08
Fire Dept...	9,623 70	21,958 74	89,949 99	59,341 15	104,898 59	114,498 01
Lighting Sts	2,987 32	9,062 24	20,919 04	32,269 07	69,926 61	78,578 77
Pauper Dept	8,520 41	21,481 52	79,719 54	56,338 24	100,841 33	78,594 95
Police Dept.	4,499 56	22,833 14	71,093 35	78,357 73	110,784 22	152,417 52
Public Lib'y	.....	1,111 77	6,040 04	6,643 51	21,034 83	22,577 77
Schools.....	32,169 16	81,842 47	258,985 15	227,511 77	362,353 79	493,064 59
Sewers.....	4,610 68	3,683 07	135,432 28	40,945 40	149,459 89	205,509 77
Streets.....	14,554 73	35,638 38	155,476 90	148,088 65	252,154 62	333,850 13
Water W'ks	.....	20,327 79	234,431 03	485,691 04	758,054 81	616,069 77

SCHEDULE B

No. IX

LIST OF CITY PROPERTY

AS FURNISHED BY

EXECUTIVE BOARDS AND HEADS OF DEPARTMENTS

IN

1909

LAW DEPARTMENT.

Two roll top desks	$40 00	
Two chairs	5 00	
Two revolving book shelves	10 00	
One filing cabinet	10 00	
A few law books and stationery	25 00	
One Smith Premier typewriter	95 00	
		$185 00

PUBLIC PROPERTY DEPARTMENT.

CITY BUILDINGS.

	Feet of Land.	Purchase of Land.	Erection of Buildings.	Valuation of Land.	Valuation of Buildings.	Valuation of Furniture.
City Hall.....	47,878	1888	1888	$72,000	$200,800	$29,800
Brattle Sq. Bldg.	16,153	1873	1874	16,000	62,000	2,500
Central Sq. Bldg.	13,028	1872	1873	10,500	50,000	2,436
Station 3.....	4,220	1862	1870	2,100	20,000	800
Station 4.....	6,316	1872	1873	3,700	14,300	300
				$104,300	$347,100	$35,836

Voting booth, corner Cambridge and Hampshire Streets	$500 00	
Five portable voting booths	2,500 00	
Voting compartments and fixtures (500)	2,500 00	
		$5,500 00

PERSONAL PROPERTY.

1 horse	$250 00	
3 robes	32 00	
1 wagon	100 00	
Top buggy	150 00	
Sleigh	35 00	
		$567 00

CITY PROPERTY IN USE BY THE POLICE DEPARTMENT.

PERSONAL PROPERTY.

POLICE HEADQUARTERS.

8	roll top desks	$150 00	
1	letter scale	1 00	
1	index card case	50 00	
11	chairs	5 50	
1	rogues' gallery	50 00	
2	book cases	5 00	
1	umbrella stand	50	
1	typewriter	35 00	
2	tables	5 00	
1	copy press	5 00	
3	rugs	6 00	
1	clothes press	15 00	
3	maps	1 50	
3	waste paper baskets	75	
	law books	25 00	
1	directory	5 00	
1	dictionary	5 00	
1	couch	5 00	

PUBLIC PROPERTY—POLICE DEPARTMENT—Continued.

1	telephone line	300 00
6	ink stands	1 50
5	revolvers	20 00
5	badges	3 50
1	camera stand	5 00
1	print washer	1 80
1	glass tunnel	20
2	graduates	1 00
1	linene glass	3 00
1	Bertillon book	4 00
1	finger print book	1 00
		$711 25

STATION 1.

2	desks	$10 00
17	chairs	15 00
2	tables	5 00
8	dippers	1 60
3	clocks	3 00
1	safe	20 00
4	lanterns	3 00
3	ink stands	1 50
1	feather duster	25
1	watering pot	25
4	iron beds and clothing	20 00
6	towels	50
6	cuspidors	90
3	rugs	6 00
2	mirrors	3 00
1	med. cabinet	25 00
1	directory	4 00
35	revolvers	140 00
35	billies	24 00
35	belts	24 00
35	badges	24 00
35	diaries	15 00
35	rules and reg.	15 00
2	bicycles	10 00
1	pr. hand cuffs	4 00
		$375 00

SUB-STATION 4.

10	lanterns	$8 00
200	ft. of fire rope	10 00
1	set grappling irons	3 00
1	ice water tank	2 00
6	chairs	6 00
2	settees	6 00
6	cuspidors	1 20
4	desks	20 00
1	clock	2 00
	law books	25 00
3	ink stands	75
1	pr. hand cuffs	4 00
1	directory	5 00
1	U. S. flag	10 00
26	police billies	18 00
26	badges	18 00
26	revolvers	104 00
26	diaries	11 00
26	books rules and reg.	11 00
2	mats	2 00
3	bicycles	30 00
1	pr. hand cuffs	4 00

WAGON HOUSE.

1	horse	$250 00
1	wagon	50 00
1	harness	30 00
1	ex. collar	10 00
4	blankets	8 00
1	wagon jack	1 00
2	stable forks	1 00
4	galvanized barrels	4 00
2	pails	50
1	clock	1 00
1	shovel	50
1	grain chest	10 00
10	bu. oats	6 30
1	mirror	1 00
25	ft. hose	5 00
2	beds and clothing	10 00
1	sleigh	25 00
1	old patrol wagon at City Stables	10 00
		$423 30

STATION 2.

3	desks	$25 00
6	cuspidors	60
12	chairs	15 00
2	clocks	2 00
2	settees	2 00
1	iron safe	25 00
6	lanterns	5 00
1	oil can	35
1	ice water tank	1 00
4	dippers	80
6	wire mats	5 00
4	rugs	3 00
3	ink stands	75
39	revolvers	156 00
39	billies	25 00
39	belts	25 00

PUBLIC PROPERTY—POLICE DEPARTMENT—Concluded.

39	badges	25 00
39	diaries	16 00
39	books rules and reg.	16 00
3	sets grappling irons	9 00
1	med. cabinet	15 00
1	operating table & chair	20 00
3	tables	6 00
1	mirror	2 00
4	waste paper baskets	1 00
1	umbrella stand	1 00
1	book case	3 00
2	bicycles	20 00
1	pr. hand cuffs	4 00
1	clothes press	5 00
		$434 50

WAGON HOUSE (STATION 2).

2	horses	$400 00
1	wagon	475 00
1	ambulance	50 00
2	harnesses	50 00
2	horse blankets	10 00
7	ambulance blankets	14 00
2	wagon jacks	2 00
3	brushes	75
3	curry combs	75
3	pails	75
2	brooms	50
2	wagon robes	2 00
2	stable forks	1 00
1	shovel	50
4	galvanized barrels	4 00
1	step ladder	50
1	riding saddle	2 00
2	stretchers	2 00
1	wash tub	50
20	bu. oats	13 00
1200	pounds hay	12 00
200	pounds straw	2 25
50	pounds shorts	60
1	spare patrol wagon storage	50 00
		$1,094 10

STATION 3.

4	desks	$4 00
1	book case	10 00
2	tables	2 00
9	chairs	5 00
2	clocks	3 00
3	mirrors	3 00
2	shovels	1 00
1	brush broom	25
1	thermometer	50
1	window brush	50
3	waste paper baskets	50
4	cuspidors	60
1	water pail	25
1	ice water tank	1 50
8	dippers	1 60
2	ink stands	1 00
4	lanterns	3 00
1	pr. hand cuffs	4 00
1	directory	4 00
31	billies	21 00
31	revolvers	120 00
31	badges	21 00
31	diaries	15 00
31	books of rules and reg.	15 00
		$237 70

WAGON HOUSE (STATION 3).

2	horses	$300 00
1	wagon	400 00
1	van	200 00
3	sets of harnesses	60 00
2	stable forks	1 00
1	wagon jack	1 00
2	horse brushes & comb	2 00
2	grain measures	50
2	beds and clothing	5 00
1	desk	2 00
1	clock	1 00
1	mirror	1 00
1	table	1 00
2	horse blankets	2 00
2	robes	4 00
2	sets grapp. irons	6 00
7	galvanized cans	3 00
1	shovel	1 00
25	bu. oats	15 75
95	lbs. shorts	1 00
50	lbs. straw	50
100	lbs. hay	1 00
47	lbs. oil meal	60
		$1,009 35

FIRE DEPARTMENT.

REAL ESTATE.

Buildings.	Location.	Land Purchased.	Erection of Buildings.	Land, Sq. Feet.	Assessed Value.	
					Land.	Building.
Engine House No. 1 Ladder House No. 1	108 Mt. Auburn St. Eliot Square.....			In City	building	schedule
Engine House No. 2 Ladder House No. 3	384-394 Mass. Av.	Owned by City.	1893	10,000	$8,000	$26,000
Engine House No. 3	35 Third St.....	1895	1895	10,100	5,500	17,500
Engine House No. 4	2029 Mass. Av.....	1896	1896	9,532	6,000	23,000
Engine House No. 5	Inman Square.....	1874	1874	6,000	5,000	10,000
Engine House No. 6	176 River St.....	1890	1890-1891	4 994	2,500	12,000
Engine House No. 7	350 Main St.....	Owned by City.	1894-1895	9,400	7,300	12,000
Chemical Engine House No. 1.....	5 Western Ave....	.....	.....	In City	building	schedule
Chemical Engine House No. 2.....	167 Lexington Ave,	1893	1894	15,262	4,000	16,000
Ladder House No. 2	276 Portland St....	Owned by City.	1887	11,931	3,000	12,000
Engine House No. 8	Junction of Sherman and Garden St.	1903	1904-1905	10,380	2,500	30,000
					$43,800	$158,500

PERSONAL PROPERTY.

ESTIMATED VALUE OF

Apparatus, hose, etc.	$67,900 00	
Bedding and furniture	4,705 00	
Hardware and tools	894 00	
Horses and harnesses	13,235 00	
Miscellaneous	1,100 00	
		$87,834 00

FIRE ALARM AND POLICE TELEGRAPH.

ELECTRICAL DEPARTMENT, WIRE ACCOUNT.

EQUIPMENT.

Fire Alarm apparatus and machinery . .	$11,300 00	
Fire Alarm and Police Telegraph Circuits . .	5,500 00	
110 Fire Alarm boxes	7,920 00	
Police Signal apparatus and machinery . .	3,000 00	
89 Police boxes	9,350 00	
Police Signal reserve apparatus	150 00	
Testing instruments	450 00	
Tools	250 00	
Stock on hand	300 00	
Old and disused apparatus	150 00	
Horses, wagons and harnesses	650 00	
Building in Cushing School yard . . .	400 00	
		$39.420 00

HEALTH DEPARTMENT.

REAL ESTATE.

Number.	Street.	Houses.	Sheds.	Value of Buildings.	Value of Land.	Total Value.	Area	Remarks.
59	Reservoir	1	....	$3,600	$8,300	$11,900	sq. ft. 16,624	Taken by Board of Health, Nov. 2, 1899
47	New.....	....	....	.....	600	600	sq. ft. 10,800	" " " " " Nov. 21, 1901
51	New.....	....	....	.....	900	900	sq. ft. 13,980	" " " " " Oct. 25, 1901
67	New.....	....	....	.....	300	300	sq. ft. 6,140	" " " " " Mch. 24, 1902 Feb. 8, and Mch. 24, 1902
	Concord Ave.	....	....	12,300	4,500	16,800	acres 7.48	" " " " " Dec. 28, 1901
				$15,900	$14,600	$30,500		

PERSONAL PROPERTY.

In Office:—

4 desks and desk chair	$150 00	
Revolving bookcase	10 00	
Card cabinets and letter files	25 00	
Dictionary and 3 atlases	50 00	
Typewriting machine and desk	75 00	
Stationery and sundries	50 00	
		$360 00

In Laboratory:—

Microscope	60 00	
Incubator and thermo-regulator	30 00	
Sterilizing oven	2 50	
Centrifuge	25 00	
Test tubes	8 00	
Diph. Sputum and Typhoid Outfits	12 00	
Laboratory supplies	10 00	
Cards, card cabinet, stamps and stamp rack	40 00	
		187 50

At Stable:—

Horse	150 00	
Ambulance	575 00	
Van	100 00	
Buggies and sleigh	200 00	
Harnesses	100 00	
Blankets and horse covers	15 00	
Ambulance blankets	40 00	
Disinfecting apparatus and materials	100 00	
		1,280 00

Amount carried forward $1,827 50

HEALTH DEPARTMENT—Concluded.

PERSONAL PROPERTY.

Amount brought forward		$1,827 50
At Diphtheria Hospital:—		
Linen and bedding	$250 00	
Instruments and nursing utensils .	80 00	
Medicines	50 00	
Dishes and kitchen utensils . .	60 00	
General furnishings	450 00	
		890 00
At Contagious Hospital, Concord Ave.:—		
Linen and bedding	$1,200 00	
Instruments and nursing utensils .	90 00	
Dishes and kitchen utensils . . .	210 00	
General furnishings	1,000 00	
		2,500 00
		$5,217 50

INSPECTOR OF MILK AND VINEGAR DEPARTMENT.

PERSONAL PROPERTY.

16 platinum dishes		$286 72	
1 cream seal		7 50	
1 drying oven		6 00	
1 Zeiss Refractometer		75 00	
Chemicals and glassware		25 00	
Water bath		22 00	
Electric Centrifuge		88 00	
Polariscope		55 00	
Analytical balance and weights		60 00	
Muffle furnace		5 00	
Busner stand		15 00	
Office furniture		50 00	
Discarded apparatus		20 00	
1 high-speed Centrifuge		43 50	
1 autoclave and fittings		115 00	
1 milk collecting outfit		15 00	
Apparatus for plating bacteria:—			
6 tube holders	$6 00		
1 bath for melting agar . . .	2 00		
1 bath, water jacketed for melting agar	5 00		
2 racks for test tubes	3 00		
2 Petri dish holders	2 00		
		18 00	
Petri dishes and glassware:—			
12 doz. pipettes	$10 00		
6 doz. Petri dishes	6 50		
6 doz. Petri covers	3 50		
Counting glass	1 00		
		21 00	
Immersion Refractometer		100 00	
			$997 72

THE MODIFIED MILK ENTERPRISE.

9 stock pots	$19 52	
30 galvanized iron racks	97 73	
28 wooden cases	20 59	
5 baby-scales	10 85	
2 gas stoves	4 50	
3 boilers	13 50	
1 bottle filler	26 85	
7 tables	7 00	
Stoppers and bottles	86 40	
Index cards	3 00	
1,000 pamphlets	16 45	
Signs	10 00	
Barrel	1 75	
1 Galvanized iron sterilizing closet	54 00	
		$372 14

CAMBRIDGE CEMETERY.

57.576 acres of land	$92,000 00
1 office building	2,500 00
1 house	2,500 00
1 stable and shed	1,000 00
Personal property	3,500 00
	$101,500 00

SEALER OF WEIGHTS AND MEASURES DEPARTMENT.

INVENTORY OF PROPERTY.

STANDARDS FURNISHED BY COMMONWEALTH.

1 balance, 5 grains to 100 lbs.
1 set (5) avoirdupois weights, 50, 25, 20, 10, 5 lbs.
1 set (11) avoirdupois weights, 4 lbs. to 1-16 oz.
1 kilogramme in case.
1 steel meter in case.
1 brass yard measure.
1 set (5) iron dry measures, 1-2 bushel to 1 quart.
1 set (6) iron liquid measures, 1 gallon to 1 gill.

Office furniture	$200 00	
1 horse	200 00	
1 express wagon	100 00	
1 light wagon	85 00	
1 pung	23 00	
2 harnesses	70 00	
1 plush robe	1 00	
1 stable blanket	2 00	
1 rain blanket	2 00	
1 woolen blanket	5 00	
1 halter	75	
1 hitch weight	50	
1 wagon scale at Lechmere Square	400 00	
1 wagon scale at Porter Road	350 00	
Amount carried forward	$1,439 25	

SEALER OF WEIGHTS AND MEASURES DEPARTMENT—Concluded.

Amount brought forward	$1,439 25	
1 platform scale, 1-2 lb. to 2,500 lbs.	75 00	
1 folding platform scale, 1-4 lb. to 600 lbs.	30 00	
1 spring scale, 1 lb. to 125 lbs.	1 00	
1 balance, 1-10 milligramme to 500 grammes	35 00	
1 balance, 1-50 grain to 8 oz.	15 00	
1 sealers' balance, 1 grain to 8 lbs.	50 00	
2 sealers' trip scales (not used)	5 00	
2 sets avoirdupois weights (19), 4 lbs. to 1-8 oz.	10 00	
1 set troy weights (9), 16 oz. to 1-8 oz.	3 00	
1 set metric weights (13), 1 kilo to 1 gramme	5 00	
5 boxes miscellaneous weights (not standardized)	10 00	
1 set iron weights (3), 25, 10, 5 lbs.	5 00	
40 50-lb. weights	100 00	
3 glass graduates	1 00	
1 set copper dry measures (5), 1-2 bushel to 1 quart	45 00	
1 set brass dry measures (3), 1 quart to 1-2 pint	5 00	
2 sets copper liquid measures (14), 1 gallon to 1 gill	30 00	
1 steel surveyor's tape	10 00	
1 iron truck	5 00	
Miscellaneous tools	50 00	
1 branding furnace	5 00	
1 set brands	3 00	
2 sets weights of precision	27 00	
1-5 gallon measure	15 00	
Inside caliper	3 50	
1 yard measure	1 50	
1 sealer's balance, 1 grain to 100 lbs.	150 00	
1 leather tool bag	7 00	
1 arch	2 00	
		$2,143 25

CITY HOME ESTATE.

Thirty-two (32) acres land bought Aug. 7, 1849.

Present City Home completed and placed under the care of the Overseers of the Poor, April 3, 1851.

Land cost	$12,000 00	
City Home cost	32,970 69	
Fences, furniture, etc., cost	3,000 00	
Total		$47,970 69
Hospital cottage on City Home grounds built in 1886, moved and rebuilt in 1901, cost		2,800 00
Two-story brick building erected 1888 cost		5,600 00
Land situated in Cambridge	14 242-1,000 acres	
Land situated in Somerville	7 954-1,000 acres	
Land situated in Arlington	100-1,000 acres	
Lands (salable) on plan of April 10, 1884:—		
30 lots of 5,000 feet each (in Somerville)	3 443-1,000 acres	
Total acres of land	25 739-1,000 acres	

CITY HOME ESTATE—Concluded.

About seven acres of City Home land lying south of Broadway in West Somerville have been sold for house lots. The remaining lots (30) contain 150,000 square feet, and have been held at a valuation of four cents per square foot, but at the present time are assessed for about ten cents. The valuation of the City Home real estate by the assessors is:—

Land in Cambridge	$21,000 00	
Buildings in Cambridge	25,000 00	
Land in Somerville	32,200 00	
Balance in Somerville	3,200 00	
Land in Arlington	300 00	
Total		$81,700 00

INVENTORY OF PERSONAL PROPERTY AT CITY HOME, APRIL 1, 1909.

Bookkeeping account books, stationery, etc.	$100 00
Drugs, medicines and hospital supplies	300 00
Dry goods, clothing, bedding, furniture, carpets, etc.	5,000 00
Farm and Stable:—	
2 horses, 150 fowls, 640 hot-bed sashes, 220 straw mats, 230 shutters, 5 wagons, 1 pung, 2 carriages, 2 sleighs, 7 harnesses, farming implements, tools, etc.	3,550 00
Fuel	200 00
Groceries and provisions	300 00
Offal Department:—	
20 wagons, 20 pungs, 25 harnesses, 23 horses, 70 blankets, etc.	7,500 00
Outside Aid:—	
2 delivery wagons, 2 pungs, 1 harness, groceries	750 00
Total	$17,700 00

INVENTORY OF PERSONAL PROPERTY AT OVERSEERS' OFFICE, CENTRAL SQUARE BUILDING, APRIL 1, 1909.

Office furniture, filing cases, book-cases, typewriter, books, stationery, etc.	$600 00
City Physician's Office—Instruments, microscope, operating table, furniture, medicine, etc.	350 00
Coal shed on Norfolk street	400 00
Ten tons coal	60 00
Total	$1,410 00

ENGINEERING DEPARTMENT.

PERSONAL PROPERTY.

6 books, at $3 each	$18 00	
21 volumes engineering papers, at $2.50	52 50	
6 logarithm books	5 00	
1 pantograph	10 00	
2 planimeters, at $20	40 00	
1 neostyle	5 00	
2 numbering machines, at $5 each	10 00	
1 typewriter	75 00	
Drawing instruments, pens, compasses, etc.	75 00	
Drawing materials and paper	25 00	
Wye level	50 00	
Dumpy level ($40), Hand level ($5)	45 00	
2 transits, at $100 each	200 00	
Level, line and sounding rods	45 00	
6 tapes	30 00	
Testing pans, moulds, etc.	10 00	
Testing machinery	50 00	
Electric motor	10 00	
Furniture in office	300 00	
Photographic outfit	50 00	
Rain gauges, standard and self recording	75 00	
10,666 plans, estimated value, $10 each	106,660 00	
436 field, survey, line and level books, estimated value $20.00	8,720 00	
		$116,560 50

SEWER DEPARTMENT.

REAL ESTATE.

Location	Buildings.	Erection of Buildings.	Purchase of Land.	Feet of Land.	Assessors' Valuation of Land.	Assessors' Valuation of Buildings.	Total.
Pilgrim Street	Stable...	1887					
" "	Sheds ...	1881 1884					
" "	House...	1892 1890	1868	23,707	$5,900 00	$5,600 00	$11,500 00

SEWERS.

140,341 miles of sewers, which have cost to construct $2,118,796 93

PERSONAL PROPERTY.

1 buggy	$225 00	
4 carts, steel, sanitary	800 00	
1 cart, sanitary	50 00	
2 carts, tip	100 00	
Amount carried forward	$1,175 00	

SEWER DEPARTMENT—Concluded.

Amount brought forward	$1,175 00	
4 clocks, regulator	40 00	
1 dray	75 00	
1 derrick, 4-leg	10 00	
1 engine, hoisting	200 00	
10 harnesses, sets of, and horse clothing	200 00	
4 horses	400 00	
2 patterns	10 00	
Pile driver and hammers	25 00	
4 hand pumps and 1 submerged pump	150 00	
1 roller, horse, street	100 00	
Rubber goods, miscellaneous	175 00	
1 sewer cleaning machine, "Healy"	500 00	
3 sleighs	140 00	
Stock on hand—brick, castings, lumber and pipe	400 00	
Tools and implements, miscellaneous	2,400 00	
Tool-houses, etc.	200 00	
1 Trench machine, "Carson"	1,000 00	
1 wagon, canopy top	100 00	
1 wagon, express	100 00	
		$7,400 00

STREET DEPARTMENT.

INVENTORY OF REAL AND PERSONAL PROPERTY.
REAL ESTATE.

Location.	Buildings.	Erection of Buildings.	Purchase of Land.	Feet of Land.	Valuation of Land.	Valuation of Buildings.
Raymond St....	City Yard and Stable, stable, sheds, scales, etc.....	1897	1896	272,670	$27,000	$27,000
Hampshire St...	City Stable, sheds and scales, including old police station.....	1885	.....	72,661	30,000	16,000
E. S. Norfolk St.	Yard and pound.....	.....	.....	39,600	12,000	.....
River St.....	Yard and wharf.....	.....	.....	41,546	17,000	.....
Acton, Mass....	Land, gravel bank....	.....	1896	.....	7,000	.....
Main St.....	Land and Incinerator	.....	.....	74,224	31,900	18,000
					$124,900	$61,000

PERSONAL PROPERTY.

69 horses	$8,000 00	
53 watering carts	13,000 00	
56 single and double carts	5,000 00	
98 sets harnesses	2,400 00	
Miscellaneous buggies, sleighs, pungs, plows, wagons, etc.	2,500 00	
3 bicycles	50 00	
5 steam rollers	11,000 00	
Amount carried forward	$41,950 00	

STREET DEPARTMENT—Concluded.

Amount brought forward	$41,950 00	
1 two-horse section roller	100 00	
Miscellaneous tools, road machines, pick-up sweepers, scrapers, brooms, waste barrels, push carts, etc.	8,500 00	
Stone crushing plant, Raymond street yard	5,000 00	
Stone crushing plant, Hampshire street yard	5,000 00	
8 Shadbolt ash carts	2,500 00	
2 Watson carts	300 00	
Miscellaneous lumber, iron, tools, etc.	1,500 00	
200 feet straight edgestone	136 64	
35 feet circle edgestone	27 30	
70,000 granite paving blocks, seconds	1,750 00	
11,000 sidewalk bricks	132 00	
50 tons field stone	37 50	
11 tons coal	52 14	
42 feet granite flagging	33 60	
Furnace and boiler incinerator	12,000 00	
1,140 tons crushed stone	1,140 00	
		$80,159 18

ELECTRICAL DEPARTMENT.

STREET LIGHTING.

Equipment.

361 lamp posts	$3,610 00	
Office furniture	275 00	
Stock on hand (old and disused)	100 00	
Automobile	950 00	
		$4,935 00

BRIDGE DEPARTMENT.

PERSONAL PROPERTY.

Cambridge and Boston Bridges.

Harvard Bridge	$750 00	
Prison Point Bridge	940 00	
River Street Bridge	500 00	
North Harvard Bridge	40 00	
Western Avenue Bridge	60 00	
Cambridge Bridge	100 00	
		$2,390 00

WATER WORKS.

Land in Cambridge	$190,400 00		
Buildings	86,800 00	Assessors.	
Personal Property	216,600 00		
			$493,800 00

REAL ESTATE AND PERSONAL PROPERTY AT HOBBS BROOK.

Value of land	$240,563 30	
Gate houses	6,710 40	
Keeper's house and stable	5,000 00	
Dams	132,297 73	
Personal property	63 00	
		384,634 43

REAL ESTATE AND PERSONAL PROPERTY AT PAYSON PARK.

Value of land	$48,168 55	
Tool house	300 00	
Reservoir	287,000 00	
Personal property	30 00	
		335,498 55

REAL ESTATE AND PERSONAL PROPERTY AT STONY BROOK.

Value of land	$138,080 73	
Keeper's house and stable	2,000 00	
Dam	289,000 00	
Personal property	396 00	
		429,476 73

VALUATION OF

Main pipes	$676,694 00	
Supplies	231,132 68	
Boxes	14,325 25	
Fountains	5,542 75	
Gates	39,191 17	
Hydrants	53,145 00	
Ice water fountains	3,000 00	
Meters	56,079 73	
Standpipes	1,800 00	
Sanitaries	1,200 00	
Broad Canal conduit	22,300 00	
Payson Park line	198,000 00	
Stony Brook line (one-half in use)	118,500 00	
Hobbs Brook conduit, second section	574,968 23	
		1,995,878 81
		$3,639,288 52

SCHOOLHOUSES.

	Feet of Land.	Purchase of Land.	Erection of Buildings.	Valuation of Land.	Valuation of Buildings.	Valuation of Furniture.
Agassiz	19,689	1874	1875	$8,000	$18,000	$1,200
Boardman	10,018	1866	1868	4,000	13,500	1,200
Bridge	4,646	1836	1836	500	1,400	.....
Corlett	10,000	1880	1880 Purchased.	2,500	3,000	200
Cushing	14,787	1880	1880 Purchased.	2,800	3,000	140
Ellis	25,700	1897	1898	6,000	50,000	3,000
Felton	15,090	1847	1848	5,000	10,000	200
Fletcher	18,360	1902	1903	7,400	70,000	3,600
Gannett	15,434	1876	1886	4,000	12,000	430
Wellington	27,673	1875	1884	6,600	50,000	4,250
Gore	9,900	1871	1871	4,000	36,000	820
Harvard	20,494	1870	1871–1899	12,000	65,000	3,800
High	74,366	....	1891	44,425	220,000	9,300
Holmes	11,182	1870	1870	6,600	6,000	200
Houghton	20,306	1904	1904–1905	8,100	90,000	4,000
Kelley	25,230	1900	1902	10,000	80,000	4,500
Lassell	10,000	1880	1880	3,000	8,000	250
Latin	79,579	1894	1897	47,575	225,000	28,500
Lowell	12,033	1883	1883	3,600	7,000	400
Merrill	37,828	1864	1864	19,000	45,000	1,425
Morse	25,650	1889	1890	7,000	73,000	2,100
Otis	8,270	1857	1859	4,000	20,000	950
Parker	12,319	....	1893	7,000	15,000	700
Peabody	21,813	1887	1888–1898	10,900	68,000	3,350
Putnam	14,400	1825	1889	12,000	65,000	2,600
Reed	12,000	1868	1868	1,200	4,000	325
Rindge M. T	81,128	...	1887	60,000	141,000	22,400
Riverside	11,198	1868	1868	3,500	5,500	300
Roberts	16,400	1898	1898	7,200	48,000	4,500
Russell	33,073	1895	1896	6,000	40,000	2,650
Shepard	14,755	1855	1856–1873	10,000	20,000	1,050
Sleeper	21,284	1894	1894	5,000	29,000	1,200
Tarbell	19,500	1878	1882	4,900	10,000	350
Taylor	23,592	1894	1895	6,000	36,000	1,750
Thorndike	10,027	1860	1860–1875	4,000	30,000	1,700
Webster	25,839	1866	1873–1885	9,000	50,000	3,350
Willard	20,079	1869	1870	5,000	25,000	1,400
Wyman	14,347	1871	1871–1886	4,000	6,000	560
				$371,800	$1,698,400	$118,650

SCHOOL DEPARTMENT.

PERSONAL PROPERTY.

Text books	$38,564 91
Desk and reference books	1,810 15
Apparatus and furnishings and machinery	20,769 38
Stock on hand July 1, 1908	6,509 58
Total	$67,654 02

PUBLIC LIBRARY.

REAL AND PERSONAL ESTATE.

141,666 feet of land, as per assessors' books	$85,000 00	
Library building, as per assessors' books	145,000 00	
		$230,000 00
Estimated valuation of books in the library	$73,000 00	
Estimated valuation of interior furnishings	8,000 00	
Estimated valuation of books in the East Cambridge Branch Library	2,900 00	
Estimated valuation of furnishings in the East Cambridge Branch Library	375 00	
Estimated valuation of books in the North Cambridge Branch Library	3,300 00	
Estimated valuation of interior furnishings in North Cambridge Branch Library	1,200 00	
		88,775 00
		$318,775 00

The lot (about 590x240 feet) occupied by the library building is bounded by Broadway, Irving, Cambridge and Trowbridge Streets. The land and building were presented to the City of Cambridge by Mr. Frederick H. Rindge in June, 1889, on the completion of the building, which was begun in the autumn of 1887. In 1894 a wing was added to the building at a cost to the City of $20,000, and in 1902 an addition to the stack was made at an expense of about $30,000.

The trustees of the Library also hold the following funds, invested in the bonds of the City of Cambridge:—

Fay fund, schoolhouse loan bond, No. 254, due 1st August, 1918, at 3½ per cent.		$1,000 00
Cummings fund, water loan bond, No. 38, due 1st July, 1909, 4 per cent.		2,000 00
Citizens' subscription fund, invested as follows:—		
Sewer loan bond, No. 7, due 1st May, 1910, 4 per cent.	$5,000 00	
Sewer loan bond, No. 47, due 1st October, 1925, 4 per cent.	500 00	
		5,500 00
William E. Saunders fund, invested as follows:—		
Building loan bond, No. 544, due 1st April, 1923, 3½ per cent.	$3,000 00	
Street loan bond, No. 545, due 1st April, 1923, 3½ per cent.	4,000 00	
Deposited in Cambridgeport Savings Bank	433 52	
		7,433 52
James A. Woolson fund, invested as follows:—		
City of Cambridge park loan bond, No. 701, due 1st April, 1945, 3½ per cent.		5,000 00
		$20,933 52

PARK DEPARTMENT.

LAND.

	SQUARE FEET.	VALUE.
River Parkway:—		
Section A	395,174	$395,174 00
" B	859,000	1,718,000 00
" C	583,082	145,770 50
" D	1,668,709	188,045 21
" E	77,101	61,045 72
" F	605,084	117,537 65
" G	699,948	419,968 80
" H	62,858	13,135 30
Cambridge Field	528,154	206,200 13
Rindge Field and Nursery	501,729	150,518 70
East Cambridge Embankment	363,825	132,730 28
Commons and Squares:—		
Garden Street, Massachusetts Avenue, and Waterhouse Street	370,785	370,000 00
Massachusetts Avenue, Kirkland and Cambridge Streets	33,357	66,000 00
Massachusetts Avenue and Peabody Street	23,074	46,000 00
Massachusetts Avenue and Holmes Place	20,956	42,000 00
Massachusetts Avenue and Waterhouse Street	13,181	13,000 00
Washington Elm	886	886 00
Broadway Common	107,181	54,000 00
Fort Washington	42,123	8,000 00
Dana Square	33,531	12,000 00
Hastings Square	30,000	9,000 00
Winthrop Square (approx.)	11,611	23,000 00
Arsenal Square	3,189	3,100 00
Pleasant and River Streets	1,569	1,200 00
Pleasant Street and Western Avenue	1,372	1,000 00
Massachusetts Avenue and Arrow Street	872	1,700 00
Mill Pond Property	119,127	26,900 00
Total		$4,225,912 29
Buildings		67,723 48
Equipment		3,845 00
		$4,297,480 77

SCHEDULE B

No. X

EXEMPTED PROPERTY

The following is a schedule of property used for religious, charitable and educational purposes, and exempt from taxation by law, including property owned by the county of Middlesex, not including that owned by the City of Cambridge, as shown on the Assessors' Books, March 31, 1909:—

EXEMPTED PROPERTY.

Name of Corporation	Description of Property	Valuation Real Estate	Valuation Personal
Abbott, Edward, Trustee.....	Lot	$3,900 00	
Avon Home	Building	50,000 00	$134,604 28
Baptist Church, Trustees of Funds of	Chapel	3,800 00	
Baptist Home	House and Stable	21,500 00	39,695 48
Bishop, Leverett J., Wellington Bears, Hector McDonald, Geo. McDougall and William C. Abbott, Trustees	Church	4,600 00	
Broadway Baptist Church	Church	38,000 00	
Buckingham School, The	Schoolhouse	11,700 00	3,467 74
Cambridge Homes for Aged People	Building	80,000 00	113,983 71
Cambridge Hospital	Buildings	237,000 00	275,512 89
Cambridge Relief Hospital	2 Houses	13,500 00	2,816 95
Cambridge Social Union	House and Hall	25,500 00	2,000 00
Cambridge Young Men's Christian Association	Building	149,000 00	15,700 00
Cambridge Young Women's Christian Association	Buildings	35,700 00	10,416 54
Cambridgeport Unitarian Society	Church	26,000 00	
Christ Church, Episcopal	Chrch. & Par. Ho.	50,000 00	
Church of the Ascension	Church	9,000 00	
Commonwealth of Massachusetts	Met. Park Bldgs.	269,100 00	
Congregation Beth Israel of Cambridge	Synagogue	17,600 00	
Corporation of the New Church Theological School	Chapel & Bldgs.	119,000 00	157,952 00
County of Middlesex	County Bldgs.	1,419,500 00	
East End Union Mission Church	Church	6,000 00	
Episcopal Theological School, Trustees of	Buildings	375,700 00	420,502 84
Epworth M. E. Church	Church	87,200 00	
First Baptist Church	Church	100,000 00	
First Church of the Evangelical Association of North America..	Church	7,900 00	
First Evangelical Congregational Society	Church	52,000 00	
First Free Baptist Church of Cambridge	Church	13,700 00	
First Parish Church, Unitarian ..	Church	100,000 00	
First Reformed Presbyterian Church of Cambridge	Church	9,600 00	
First Swedish Baptist Church of Cambridge	Church	8,200 00	
First United Presbyterian Church of Cambridge, Trustee	Church	11,100 00	
First Universalist Society of Cambridge	Church	31,300 00	
Grace M. E. Church	Church	20,000 00	
Harvard St. M. E. Society	Church	30,000 00	
Holy Ghost Hospital for Incurables	Hospital	128,000 00	15,200 00
Hope Congregational Church	Church	11,000 00	
Immanuel Baptist Church	Church	28,000 00	
Lampoon Club			7,773 53
Lamson House, The	House	7,000 00	9,918 62
Longfellow Memorial Association	Park	56,000 00	17,283 48
Marist Fathers of Boston	Chch. & Sch. ho.	52,200 00	1,500 00
Amounts carried forward . .		$3,719,300 00	$1,228,328 06

EXEMPTED PROPERTY—Continued.

Name of Corporation	Description of Property	Valuation Real Estate	Valuation Personal
Amounts brought forward . .		$3,719,300 00	$1,228,328 06
Massachusetts Baptist Convention, Union Baptist Church	Church	18,400 00	
Massachusetts Baptist Missionary Society	Church	36,000 00	
Massachusetts College of Osteopathy	House	24,000 00	4,000 00
Massachusetts Maternity and Foundling Hospital	House	4,500 00	14,620 00
Morse, Asa P., Heirs of	Church	8,200 00	
Mt. Auburn Cemetery Corporation	Cemetery	50,000 00	
North Avenue Baptist Church ...	Church	76,300 00	
North Avenue Congregational Society	Church	43,600 00	
Old Cambridge Baptist Society ..	Church	171,000 00	
Pilgrim Congregational Church ..	Church	39,300 00	
President and Fellows of Harvard College	Buildings	7,371,000 00	16,303,206 36
Prospect Union Association	Building	27,300 00	12,890 49
Radcliffe College	Buildings	589,500 00	740,647 14
Roman Catholic Archbishop of Boston	Bldgs. & Lots	338,700 00	
Roman Catholic Cemetery	Land	30,200 00	
Rush African M. E. Zion Church	Church	7,100 00	
Sacred Heart School Association..	Chrch. & Sch. ho.	162,500 00	4,170 00
St. John's Literary Institute	Hall and Stores	24,700 00	5,881 56
St. Mary's Parochial School	Buildings	277,700 00	35,000 00
St. Paul's Church, Roman Catholic	Church	90,000 00	
St. Paul's Roman Catholic School Association	School Bldgs.	140,200 00	4,000 00
St. Peter's Parish Hall Corporation	Buildings	64,600 00	
St. Phillip's Episcopal Church ...	Church	4,300 00	
Shepard Congregational Society ..	Church	144,000 00	
Stratton, Charles F., Allan K. Sweet and Edwin S. Chapin, Trustees	Building	7,100 00	157 50
Swedish Evangelical Missionary ..Church of Cambridge	Church	8,600 00	
Third Universalist Society	Church	44,800 00	
Trinity M. E. Church	Church	41,300 00	
Trustees of the Donations to the Protestant Episcopal Church in the Diocese of Massachusetts, St. Peter's Church	Church	19,200 00	
Trustees of Donations of the Protestant Episcopal Church	Church	96,200 00	
Wood Memorial Church, Congregational		34,700 00	
Totals		$13,714,300 00	$18,352,901 11

RECAPITULATION.

EXEMPTED PROPERTY—Concluded.

	Real Estate	Personal
Literary	$9,099,400 00	$17,558,323 14
Benevolent	191,800 00	26,274 04
Charitable	541,500 00	606,351 93
Scientific	24,000 00	4,000 00
Religious	2,169,000 00	157,952 00
Commonwealth of Massachusetts	269,100 00	
County of Middlesex	1,419,500 00	
Totals	$13,714,300 00	$18,352,901 11

REPORT OF THE CITY TREASURER.

City of Cambridge, Mass.,

Office of City Treasurer, April 1, 1909.

To the Honorable, the City Council:—

In the following pages I submit a detailed report of the receipts and expenditures of the public funds by the Treasury Department, during the sixteen months ending March 31, 1909, including an account of all bonded and temporary loans negotiated in said year; also, a detailed account of official fees received, and reports on the "Cemetery Fund" and "Sarah E. Russell Fund."

Very respectfully,

WM. W. DALLINGER,

City Treasurer.

City of Cambridge in Account Current from December 1, 1907, to

Dr.

To authorized payments charged to City Accounts:—

Mayor's Department:—	
Salaries	$1,812 67
General Expenses	202 72
City Messenger's Department:—	
Salaries	670 70
General Expenses	95 13
Clerk of Committees' Department:—	
Salaries	1,294 70
General Expenses	134 68
City Council Expenses	2,352 60
City Clerk's Department:—	
Salaries	2,209 61
General Expenses	1,032 66
Law Department:—	
Salaries	1,406 72
General Expenses	253 25
Auditing Department:—	
Salaries	1,322 43
General Expenses	155 73
Assessors' Department:—	
Salaries	2,936 64
General Expenses	158 99
Treasury Department:—	
Salaries	3,369 46
General Expenses	1,863 44
Sinking Fund Officials	205 00
Elections:—	
City Clerk	9,191 79
Registrars of Voters	2,477 01
Superintendent of Buildings	2,177 01
City Hall:—	
Salaries, Janitors and Others	4,388 07
General Expenses	4,066 50
Postage and Stationery	555 76
Police Department:—	
Salaries	51,568 64
General Expenses	2,852 18
Amount carried forward	$98,754 09

MAR. 31, 1908 (INCLUSIVE), WITH WM. W. DALLINGER, CITY TREASURER

Cr.

By Receipts as follows:—

City Clerk's Department	$228 08
Treasury Department	866 20
City Hall	890 00
Contingent Fund	148 30
Postage and Stationery	677 71
Police Department	235 00
Fines	1,005 90
Electrical Department—Wire Account	4 00
Health Department	2,012 79
Superintendent of Buildings	447 42
City Farm	1,550 15
City Home	261 01
Hospital	59 05
Out-door Relief	451 00
State Aid—Soldiers' Relief	340 50
Street Paving:—	
Street Maintenance	381 72
Sidewalks:—	
Paving—Edgestones and Sidewalks	149 67
House Offal	3,164 14
Sewer Department:—	
Maintenance	37 79
Boston Bridges	25 00
Water Department:—	
Construction:—	
General	831 41
Maintenance:—	
Rates	50,646 46
Cemetery Department:—	
Burials, Sales of Lots, etc.	4,326 76
City Real Estate	1 00
Schools:—	
General Expenses	31 93
Tuition, etc.	1,795 50
Public Library	5,515 66
Park Department:—	
Construction and Lands	1,218 80
Maintenance	2 25
Brown Tail Moth Extermination	11 75
Cambridge Field and Shelter	71 51
Loan:—	
Temporary	430,000 00
Street	34,000 00
City	10,000 00
Interest	6,804 38
Taxes:—	
1903	116 00
1904	180 01
1905	507 80
1906	2,625 16
1906	2,625 16
Amount carried forward	$561,621 81

City of Cambridge in Account Current from December 1, 1907, to

Dr.

Amount brought forward	$98,754 09
Fire Department:—	
Salaries	33,919 72
General Expenses	9,335 54
Repairs to Buildings	23 52
Electrical Department—Wire Account:—	
Salaries	4,073 36
General Expenses	1,864 25
Police Signal Boxes	450 00
Health Department:—	
Salaries	4,551 07
General Expenses	15,398 42
Diphtheria Hospital	3,141 11
Inspector of Milk and Vinegar:—	
Salaries	588 34
General Expenses	110 13
Inspector of Animals	313 91
Superintendent of Buildings:—	
Salaries	2,094 72
General Expenses	288 79
Plumbers' Examiners Department	12 34
Sealer of Weights and Measures:—	
Salaries	961 54
General Expenses	140 15
City Farm:—	
Labor	830 00
Supplies	339 56
City Home:—	
Salaries	2,331 65
General Expenses	3,953 65
Hospital	522 18
Out-door Relief:—	
Salaries	1,292 00
General Expenses	17,516 75
City Physician	624 98
State Aid—Soldiers' Relief	10,524 54
Engineering Department:—	
Salaries	3,201 74
General Expenses	308 25
Street Department—Salaries of Superintendent and Clerks	2,213 26
Land Damages	27,392 16
Amount carried forward	$247,071 72

MAR. 31, 1908 (INCLUSIVE), WITH WM. W. DALLINGER, CITY TREASURER

Cr.

Amount brought forward	$561,621 81
1907:—	
Polls	6,368 00
Personal Estate	26,931 12
Real Estate	276,109 96
Old Taxes	139 00
Tax:—	
Corporation	7,877 84
National Bank	447 79
Licenses	464 15
Assessments:—	
Sewers	1,580 22
Sidewalks	7,516 85
Street Sprinkling	22 58
Taxes—1907	5,348 25
Moth Extermination:—	
Taxes—1906	2 25
Taxes—1907	461 90
Trustee of Cemetery Fund	172 50
Amount carried forward	$895,064 22

City of Cambridge in Account Current from December 1, 1907, to

Dr.

Amount brought forward	$247,071 72
Street Construction:—	
Allston Street and Others	1,402 25
Somerville Avenue	1,242 85
Houghton Street and Others	4,809 12
Board of Survey	106 40
Street Paving:—	
Street Maintenance	24,266 83
Crossings	177 44
Rebuilding Streets:—	
First Street	164 46
Massachusetts Avenue	7,087 07
Hampshire Street	4,873 36
Cambridge Street	1,405 94
Sundry Street	400 44
Sidewalks:—	
Paving—Edgestones and Sidewalks	1,802 61
Sidewalk Repairs	20 72
Street Lighting:—	
Salaries	333 36
General Expenses	26,604 18
Street Cleaning	6,616 37
Snow Removal	4,583 17
Street Sprinkling	3,266 48
House Offal:—	
Labor	9,036 50
General Expenses	3,523 13
Collection of Ashes	13,091 02
Incinerator Plant	12,732 50
Sewer Department:—	
Construction:—	
General	4,564 48
Portland Street Trunk Sewer	678 07
Gate Chambers	914 05
Separate System of Drainage	4,362 25
Maintenance	5,498 26
Boston Bridges:—	
Salaries and Labor	3,389 90
General Expenses	1,607 02
Cambridge Bridge	3,602 58
Amount carried forward	$399,234 53

MAR. 31, 1908 (INCLUSIVE), WITH WM. W. DALLINGER, CITY TREASURER

Cr.

Amount brought forward.....	$895,064 22

Amount carried forward.....	$895,064 22

City of Cambridge in Account Current from December 1, 1907, to

Dr.

Amount brought forward	$399,234 53
Commercial Avenue Bridge	25,488 76
Bridges—Street Department	1,765 19
Rebuilding First Street Bridge	102 75
Damages to Persons and Personal Property	1,257 74
Civil Service Department	118 25
Water Department:—	
Construction:—	
General	1,183 45
Hobbs Brook Conduit	3,832 78
Meters	1,651 77
Maintenance:—	
Salaries	3,856 50
General Expenses	8,408 81
Pumping:—	
Salaries and Labor	2,722 21
General Expenses	5,821 08
Fresh Pond Reservoir	1,424 02
Sanitary, etc.	1,944 21
Hobbs Brook Reservoir	410 92
Payson Park Reservoir	247 25
Stony Brook Reservoir	597 07
Ice for Fountains	186 91
Abatements	124 80
Refunds	1,173 85
Cemetery Department:—	
Salaries	3,792 77
General Expenses	978 87
Rebuilding Wall	249 20
Schools:—	
Salaries, Janitors and Others	14,920 33
General Expenses	15,642 41
Wellington School House—Addition	5 25
Care of Truants	677 39
Incidentals	1,084 29
Text Books and Supplies	5,029 27
Transportation of Pupils	252 00
Salaries, Teachers and Officers	167,510 22
Public Library:—	
Salaries	3,792 06
General Expenses	3,838 41
East Cambridge Branch Library:—	
Salaries	314 34
General Expenses	493 66
Amount carried forward	$680,133 32

MAR. 31, 1908 (INCLUSIVE), WITH WM. W. DALLINGER, CITY TREASURER

Cr.

Amount brought forward.....	$895,064 22

Amount carried forward.....	$895,064 22

City of Cambridge in Account Current from December 1, 1907, to

Dr.

Amount brought forward	$680,133 32
North Cambridge Branch Library:—	
Salaries	349 46
General Expenses	682 14
Park Department:—	
Construction and Lands	4,459 74
Rindge Field	450 66
Maintenance:—	
Brown Tail Moth Extermination	4,377 85
Cambridge Field and Shelter	1,575 71
Commons, Squares and Public Grounds	1,338 47
Salaries	755 00
General Account	230 54
Shade Trees	938 04
Sections A, B, D and F	732 18
Sections G and H	274 57
Rindge Field	120 25
Baths	68 63
Interest	58,940 19
Interest on Park Loans	21,965 00
Interest on Water Loans	34,131 25
Taxes:—	
Abatements	16,865 35
Licenses	15 75
Total Payments	$828.404 10
Cash Balance in Treasury March 31, 1908	162,512 46
	$990,916 56

MAR. 31, 1908 (INCLUSIVE), WITH WM. W. DALLINGER, CITY TREASURER

Cr.

Amount brought forward	$895,064 22
Total Receipts	$895,064 22
Cash Balance in Treasury November 30, 1907	95,852 34
	$990,916 56

City of Cambridge in Account Current from April 1, 1908, to

Dr.

To authorized payments charged to City Accounts:—

Mayor's Department:—	
Salaries	$5,488 96
General Expenses	564 20
City Messenger's Department:—	
Salaries	2,023 92
General Expenses	340 44
Clerk of Committees' Department:—	
Salaries	3,930 90
General Expenses	307 50
City Council Expenses	5,529 70
City Clerk's Department:—	
Salaries	6,941 47
General Expenses	1,581 68
Law Department:—	
Salaries	4,111 92
General Expenses	975 75
Auditing Department:—	
Salaries	4,028 75
General Expenses	304 12
Assessors' Department:—	
Salaries	12,573 50
General Expenses	2,064 13
Assessors' Plans	298 46
Treasury Department:—	
Salaries	10,746 91
General Expenses	7,393 35
Sinking Fund Officials	365 00
Elections:—	
City Clerk	10,002 89
Registrars of Voters	4,365 36
Superintendent of Buildings	2,379 14
City Hall:—	
Salaries, Janitors and Others	11,794 49
General Expenses	12,249 60
City Building, Fourth Street, Alterations	390 15
Postage and Stationery	1,463 06
Police Department:—	
Salaries	159,355 99
General Expenses	6,972 25
Amount carried forward	$278,543 59

MAR. 31, 1909 (INCLUSIVE), WITH WM. W. DALLINGER, CITY TREASURER

Cr.

By Receipts as follows:—

City Clerk's Department	$1,348 20
Law Department	1,015 00
Treasury Department	5,914 37
City Hall	1,740 00
Contingent Fund	113 35
Postage and Stationery	1,496 83
Police Department	839 42
Fines	7,519 60
Electrical Department, Wire Account	27 70
Health Department	3,973 45
Inspector of Milk and Vinegar:—	
Modified Milk	479 51
Sealer of Weights and Measures	807 90
Militia and Armories	24,645 35
City Farm	3,488 40
City Home	667 17
Hospital	446 35
Out-door Relief	3,061 86
State Aid—Soldiers' Relief	16,998 00
Engineering Department:—	
Salaries	2 25
Street Maintenance	1,165 52
Edgestones and Sidewalks	437 60
Street Sprinkling	295 33
House Offal	13,010 66
Incinerator—Maintenance	90 65
Sewer Department:—	
Maintenance	152 92
Boston Bridges	1 50
Water Department:—	
Construction:—	
General	5,588 40
Maintenance:—	
Rates....	372,971 60
Amount carried forward	$468,298 89

City of Cambridge in Account Current from April 1, 1908, to

Dr.

Amount brought forward	$278,543 59
Fire Department:—	
Salaries	107,305 44
General Expenses	23,361 96
Electrical Department, Wire Account:—	
Salaries	11,222 95
General Expenses	4,114 96
Police Signal Boxes	900 00
Health Department:—	
Salaries	13,771 54
General Expenses	30,672 88
Diphtheria Hospital	7,913 19
Land for Hospital	630 00
Hospital	19,997 80
Inspector of Milk and Vinegar:—	
Salaries	1,795 00
General Expenses	223 43
Modified Milk	1,264 76
Inspector of Animals	735 99
Superintendent of Buildings:—	
Salaries	5,905 29
General Expenses	995 77
Plumbers' Examiners Department	54 33
Board of Appeal	29 95
Sealer of Weights and Measures:—	
Salaries	2,291 00
General Expenses	632 12
Militia and Armories:—	
Rifle Range	1,100 39
Car Tickets to and from Rifle Range, etc.	500 00
City Farm:—	
Labor	3,225 00
Supplies	1,042 54
City Home:—	
Salaries	7,060 00
General Expenses	14,073 61
Hospital	1,683 03
Out-door Relief:—	
Salaries	3,771 11
General Expenses	22,315 94
City Physician	1,999 92
State Aid—Soldiers' Relief	31,590 97
Amount carried forward	$600,724 46

MAR. 31, 1909 (INCLUSIVE), WITH WM. W. DALLINGER, CITY TREASURER

Cr.

Amount brought forward	$468,298 89
Cemetery Department:—	
Burials, Sales of Lots, etc.	17,480 56
City Real Estate—Rents	3,049 96
Schools:—	
General Expenses	118 28
Text Books and Supplies	743 89
Tuition, etc.	8,107 50
Salaries, Teachers and Officers	198 51
Public Library	5,862 45
Park Department:—	
Construction and Lands	3,234 00
Maintenance	142 85
Moth Extermination	1,050 70
Cambridge Field and Shelter	366 37
Baths	1,705 21
Loan:—	
Cambridge Bridge	45,000 00
City	37,000 00
City of Cambridge, Act of 1908	400,000 00
Hospital	20,000 00
Park	42,000 00
School House	40,000 00
Sewer	42,000 00
Street	62,000 00
Temporary	495,000 00
Water	37,000 00
Premium Account	28,373 10
Water Loan	2,347 80
Interest	17,692 16
Interest on Water Loans	139 44
Taxes:—	
1903	431 49
1904	611 48
1905	625 80
1906	6,103 19
1907—Polls	6,959 40
Personal Estate	7,523 76
Real Estate	125,074 84
1908—Polls	31,730 00
Personal Estate	331,404 77
Real Estate	1,712,188 85
Old Taxes	328 00
Amount carried forward	$4,001,893 25

City of Cambridge in Account Current from April 1, 1908, to

Dr.

Amount brought forward	$600,724 46
Engineering Department:—	
Salaries	8,974 95
General Expenses	789 45
Street Department—Salaries of Superintendent and Clerks	6,288 01
Land Damages	22,201 70
Street Construction:—	
Allston Street and Others	944 26
Binney Street and Others	12,699 86
Houghton Street and Others	466 47
Street Maintenance	78,339 95
Crossings	2,499 76
Rebuilding Streets:—	
Hampshire, Broadway and Mt. Auburn Streets	49,197 59
Hampshire Street	364 75
Cambridge Street	578 44
Edgestones and Sidewalks	20 358 28
Sidewalk Repairs	4,999 81
Street Lighting:—	
Salaries	999 96
General Expenses	79,307 40
Street Cleaning	42,323 85
Snow Removal	393 01
Street Sprinkling	35,115 12
Collection of Ashes	39,584 55
House Offal:—	
Labor	28,189 35
General Expenses	8,099 65
Incinerator Plant	16,098 75
Incinerator—Maintenance	3,997 57
Sewer Department:—	
Construction:—	
General	5,625 41
Gate Chambers	1,138 15
Separate System of Drainage	42,432 38
Maintenance	19,006 18
Boston Bridges:—	
Salaries and Labor	11,545 82
General Expenses	6,705 06
Amount carried forward	$1,149,989 95

MAR. 31, 1909 (INCLUSIVE), WITH WM. W. DALLINGER, CITY TREASURER

Cr.

Amount brought forward		$4,001,893 25
Tax:—		
Corporation	84,051 96	
National Bank	17,615 85	
Street Railway	63,589 18	
Tax Lien Account		28 02
Licenses		3,982 50
Betterments—Streets		251 77
Assessments:—		
Sewers	3,120 37	
Sidewalks	13,343 20	
Street Sprinkling	23 10	
Taxes—1907	3,288 92	
Taxes—1908	31,434 32	
Moth Extermination:—		
Taxes—1907	270 12	
Taxes—1908	1,653 22	
Trustee of Cemetery Fund		3,953 92
Deed Account		30 00
Commissioners of Sinking Funds		75,900 00
Total Receipts		$4,304,429 70
Cash Balance in Treasury March 31, 1908		162,512 46
Amount carried forward		$4,466,942 16

City of Cambridge in Account Current from April 1, 1908, to

Dr.

Amount brought forward	$1,149,989 95
Brookline Bridge Approach	56 75
Cambridge Bridge	35,226 47
Commercial Avenue Bridge	10,274 93
Rebuilding First Street Bridge	8,647 53
Rebuilding Third Street Bridge	7,137 45
Bridges—Street Department	5,419 71
Damages to Persons and Personal Property	2,522,13
Civil Service Department	349 47
Water Department:—	
Construction:—	
General	15,963 87
Hobbs Brook Conduit	5,875 82
Hobbs Brook Conduit Extension	18,023 01
Meters	4,677 59
Maintenance:—	
Salaries	12,105 15
General Expenses	27,663 63
Meters	5,418 84
Pumping:—	
Salaries and Labor	9,095 92
General Expenses	10,403 63
Fresh Pond Reservoir	7,315 25
Sanitary, Drinking Fountains, etc	384 18
Grading	8,000 00
Hobbs Brook Reservoir	1,309 65
Payson Park Reservoir	803 08
Stony Brook Reservoir	2,809 71
Services of City Solicitor	1,000 00
Services of City Treasurer	1,500 00
Ice for Fountains	726 48
Abatements	2,767 21
Refunds	1,613 90
Cemetery Department:—	
Salaries	15,375 45
General Expenses	2,827 95
Rebuilding Wall	499 02
Schools:—	
Salaries, Janitors and Others	42,175 40
General Expenses	63,580 10
Wellington School House	36,006 05
Rindge Manual Training School—Equipment	6,522 55
School Houses—Alterations	518 32
Care of Truants	2,558 68
Flags	310 85
Amount carried forward	$1,527,455 68

MAR. 31, 1909 (INCLUSIVE), WITH WM. W. DALLINGER, CITY TREASURER

Cr.

Amount brought forward	$4,466,942 16

Amount carried forward	$4,466,942 16

City of Cambridge in Account Current from April 1, 1908, to

Dr.

Amount brought forward	$1,527,455 68
Incidentals	1,964 77
Text Books and Supplies	22,383 05
Transportation of Pupils	321 00
Salaries, Teachers and Officers	359,159 18
Vacation Schools	1,791 18
Public Library:—	
Salaries	11,638 44
General Expenses	10,951 88
Celebration	200 00
East Cambridge Branch Library:—	
Salaries	972 38
General Expenses	1,581 24
North Cambridge Branch Library:—	
Salaries	1,215 77
General Expenses	2,388 97
Park Department:—	
Construction and Lands	42,802 53
Rindge Field	66 55
Playground, East Cambridge	289 00
Maintenance:—	
Moth Extermination	7,776 17
Cambridge Field and Shelter	5,936 54
Commons, Squares and Public Grounds	4,125 63
Salaries	2,305 00
General Account	1,118 62
Shade Trees	4,430 69
Sections A, B, D and F	4,801 85
Sections G and H	1,935 54
Rindge Field	738 61
Sand Gardens	199 04
Baths	2,195 97
Celebrations:—	
Independence Day	1,397 03
Labor Day	299 93
Memorial Day	1,100 00
Loan:—	
City	4,900 00
Temporary	925,000 00
Water	71,000 00
Sinking Funds:—	
Brookline Bridge	333 33
Cambridge Bridge	20,733 33
Cambridge Bridge Special	616 00
Clay Lands	5,335 00
Commercial Avenue Bridge	666 67
General	108,345 38
Harvard Bridge	8,800 00
Amount carried forward	$3,169,271 95

MAR. 31, 1909 (INCLUSIVE), WITH WM. W. DALLINGER, CITY TREASURER

Cr.

Amount brought forward	$4,466,942 16

Amount carried forward	$4,466,942 16

City of Cambridge in Account Current from April 1, 1908, to

Dr.

Amount brought forward	$3,169,271 95
Hospital	225 00
Improved Sewerage	8,778 00
Metropolitan Park Assessment	1,012 00
Park	24,586 66
Separate System	2,970 00
Water	122,538 00
Serial Water Bond	12,500 00
Interest	223,182 21
Interest on Park Loans	57,260 00
Interest on Water Loans	148,387 75
Taxes:—	
Abatements	6,959 75
Taxes—1908	46,273 45
Tax:—	
Armory	1,343 13
County	106,401 67
Grade Crossings	12,120 00
Metropolitan Parks	56,080 91
National Bank	4,386 08
Metropolitan Sewer	99,768 95
State	168 740 00
Tax Lien Account	215 18
Licenses	98 40
Assessments:—	
Street Sprinkling:—	
Abatements	91 89
Taxes—1908	179 58
Moth Extermination:—	
Abatements—Taxes, 1908	9 59
Trustee of Cemetery Fund	4,126 42
Deed Account	30 00
Total Payments	$4,277,536 57
Cash Balance in Treasury March 31, 1909	189,405 59
	$4,466,942 16

MAR. 31, 1909 (INCLUSIVE), WITH WM. W. DALLINGER, CITY TREASURER

Cr.

Amount brought forward	$4,466,942 16
	$4,466,942 16

TEMPORARY LOANS IN ANTICIPATION OF TAXES NEGOTIATED DURING THE SIXTEEN MONTHS ENDING MARCH 31, 1909.

Date.	Maturity.	Amount.	
1907	**1908**		
December 2	May 1	$80,000	With interest at 6 per cent. per annum.
December 19	May 19	82,000	" " " 6 " " " "
December 31	May 1	100,000	Discounted at 6.33 per cent. per annum.
1908			
January 2	May 19	25,000	" " 6 33 " " " "
February 8	June 1	93,000	" " 4.45 " " " "
March 10	July 1	50,000	" " 4.40 " " " "
April 24	October 12	100,000	" " 3.75 " " " "
June 22	October 15	100,000	" " 3.20 " " " "
July 7	October 15	100,000	" " 3.04 " " " "
July 9	October 16	50,000	" " 3.04 " " " "
August 13	October 16	50,000	" " 3.04 " " " "
September 10	October 16	75,000	" " 2.50 " " " "
1909	**1909**		
April 3	June 1	20,000	" " 2.75 " " " "
		$925,000	

Average Interest Rate 4.217 per cent.

With the exception of $20,000, due June 1, 1909, these loans were all paid before the close of the financial year.

PARTICULARS CONCERNING THE BONDS NEGOTIATED DURING THE SIXTEEN MONTHS ENDING MARCH 31, 1909.

Date of Bonds.	Amount.	Loan.	Years to Run.	Rate of Interest.	Purchaser.	Price Paid.	Basis.
1908							
Jan. 1	$10,000	City	10	4	Merrill, Oldham & Co	Par	
Jan 1	34,000	Street	20	4	" " "	Par	
May 1	400,000	City of Cambridge Act of 1908	10	4	E. H. Rollins & Sons	103.576	3.57
June 1	20,000	Water	20	4	Estabrook & Co.	106.114	3.57
June 1	30,000	City	10	4	" "	103 588	3.57
Aug. 1	45,000	Cambridge Bridge	40	4	" "	107.35	3.65
Aug. 1	7 000	City	10	4	City Treasurer of Cambridge in trust for the Cemetery Fund.	Par	
Aug. 1	12,000	Street	20	4	Estabrook & Co.	104.50	3.675
Aug. 1	25,000	Sewer	30	4	" "	106.	3.675
Aug. 1	30,000	Street	20	4	" "	104.50	3.675
Aug. 1	30,000	Park	40	4	R. L Day & Co.	106.75	3.675
Aug. 1	20,000	Hospital	20	4	" "	104.50	3.675
Aug. 1	10,000	Water	30	4	" "	106.	3.675
Nov. 1	12,000	Park	40	4	" "	108.63	3.59
Aug. 1	7,000	Water	30	4	" "	107.50	3.59
Dec. 1	5,000	Sewer	30	4	City Treasurer of Cambridge in trust for the Cemetery Fund.	Par	
Dec. 1	12,000	Sewer	30	4	Crocker & Fisher	108.27	3.55
Dec. 1	40,000	School House	20	3½	E. H. Rollins & Sons	101.097	3.42
1909							
Mar. 1	20,000	Street	20	3½	Crocker & Fisher	104.517	3.19
	$769,000						

RECAPITULATION.

City Loans	$47,000 00	Schoolhouse	$40,000 00
Cambridge Bridge	45,000 00	Sewer	42,000 00
City of Cambridge, Act of 1908	400,000 000	Street	96,000 00
Hospital	20,000 00	Water	37,000 00
Park	42,000 00		
		Total issue	$769,000 00

FEES.

During the sixteen months, ending March 31, 1909, the Treasurer has received official fees amounting to $5,280.57, itemized as follows:—

	Dec. 1, '07, to Mar. 31, '08	Mar. 31, '08, to Mar. 31, '09	
Summonses to delinquents	$807 40	$2,288 05	
Preparing advertisements of sale	51 00	465 50	
Advertisements of sale	2 30	749 15	
Posting advertisements of sale	50	363 00	
Making tax deeds		454 00	
Recording affidavits		33 60	
Collector's fees, under Chapter 378, Acts of 1907, and Chapter 13, Section 61	5 00	61 07	
	$866 20	$4,414 37	$5,280 57

These fees were all turned into the City Treasury as received.

CEMETERY FUND.

Received during the sixteen months, ending March 31, 1909, from proprietors of lots in Cambridge Cemetery		$4,141 42	
Which added to amount of Fund, December 1, 1907,		73,549 04	
Makes the present amount			$77,690 46
Received for Deeds in Trust		$30 00	
Which added to amount of Fund, December 1, 1907		132 00	
			162 00
Makes the present amount of both funds			$77,852 46

The interest received on the Fund for the year was $2,884.93, which has been paid to the Commissioners of the Cambridge Cemetery for the care of all lots placed in perpetual care.

The assets of the two Funds, as of March 31, 1909, are invested as follows, viz.:—

Registered bonds of the City of Cambridge, amounting to	$76,450 00	
Deposited in Cambridgeport Savings Bank	1,402 46	
		$77,852 46
Fund for perpetual care of lots is	$77,690 46	
Fund for Deeds in Trust is	162 00	
		77,852 46

This Fund is held in trust by the City Treasurer.

SARAH E. RUSSELL FUND.

This is a Fund bequeathed by the late Sarah E. Russell of Cambridge in 1898, "the income therefrom to be annually expended in or towards providing a Christmas tree or Christmas gifts and entertainments for the inmates at the time of the Cambridge Almshouse."

The amount of the bequest was $814.41, and was deposited in the Cambridgeport Savings Bank, where it now remains.

The interest accumulations to November 30, 1908, have been paid to Mr. C. E. Goodrow, Superintendent of the City Home, and were used as stipulated in the will of Mrs. Russell.

WM. W. DALLINGER,

City Treasurer.

REPORT OF THE COMMISSIONERS OF THE SINKING FUNDS OF THE CITY.

To the Honorable, the City Council:—

The Commissioners of the several Sinking Funds of the City herewith submit their annual report, covering the sixteen months ending March 31, 1909. Our report shows the condition of the Sinking Funds under two divisions, first Municipal; second, Water.

The following is the condition of the strictly Municipal Loans Funds:—

DR.

The amount of the Funds, Nov. 30, 1907, was	$1,185,830 36	
Received from the City of Cambridge the annual requirements as appropriated by the City Council for the several bonded loans .	182,401 37	
Interest received on invested funds . . .	58,422 93	
		$1,426,654 66

CR.

Paid on account of maturing Cambridge bonds	$4,900 00	
Paid premiums and accrued interest on investments purchased	3,251 20	
Leaving the total amount of the Funds, March 31, 1909	1,418,503 46	
		1,426,654 66

The following figures show the condition of the Water Loan Fund:—

DR.

The amount of the Fund, Nov. 30, 1907, was	$1,582,727 18	
The amount received from the City Treasurer of Cambridge being the annual requirements for 1908, derived from the Water Rates	122,538 00	
Interest received on investments . . .	72,015 97	
		$1,777,281 15

CR.

Paid accrued interest on investments purchased	$914 43	
Paid premiums on investments purchased . .	717 95	
Paid City Treasurer to meet maturing bonded debt	71,000 00	
Leaving the amount of the Fund, March 31, 1909	1,704,648 77	
		$1,777,281 15

The following are the investments belonging to the Municipal Loan Funds:

			Maturing			
Cambridge	City bonds	3 1-2s,	July 1, 1909	$25,000 00		
"	" "	3 1-2s,	Nov. 1, 1909	32,000 00		
"	" "	4s,	Nov. 1, 1909	2,000 00		
"	" "	4s,	May 1, 1910	64,000 00		
"	" "	4s,	July 1, 1910	7,000 00		
"	" "	4s,	Sept. 1, 1910	1,000 00		
"	" "	3 1-2s,	Nov. 1, 1910	5,000 00		
"	" "	3 1-2s,	Nov. 1, 1911	36,000 00		
"	" "	4s,	Jan. 1, 1912	1,000 00		
"	" "	3 1-2s,	Nov. 1, 1912	5,000 00		
"	" "	4s,	Aug. 1, 1914	20,000 00		
"	" "	4s,	Oct. 1, 1915	35,000 00		
"	" "	4s,	July 1, 1916	60,000 00		
"	" "	4s,	Aug. 1, 1916	40,000 00		
"	" "	3 1-2s,	Nov. 1, 1919	18,000 00		
"	" "	3 1-2s,	Nov. 1, 1921	27,000 00		
"	" "	3 1-2s,	July 1, 1922	5,000 00		
"	" "	3 1-2s,	Apr. 1, 1924	25,000 00		
"	" "	3 1-2s,	May 1, 1925	24,500 00		
"	" "	3 1-2s,	Aug. 1, 1925	20,000 00		
"	" "	4s,	Nov. 1, 1926	6,000 00		
"	" "	4s,	Sept. 1, 1927	5,000 00		
"	" "	4s,	Nov. 1, 1927	10,000 00		
"	" "	3 1-2s,	Nov. 1, 1929	42,000 00		
"	" "	4s,	Nov. 1, 1937	10,000 00		
"	" "	3 1-2s,	Jan. 1, 1943	6,000 00		
					$531,500 00	
Lynn	City bonds	4s,	May 1, 1909	$5,000 00		
Pawtucket, R. I.	" "	4s,	July 1, 1909	30,000 00		
Watertown	Town "	3 1-2s,	Aug. 1, 1909	15,000 00		
Lynn	City "	4s,	May 1, 1910	5,000 00		
Boston	" "	4s,	Apr. 1, 1911	13,000 00		
Lynn	" "	4s,	May 1, 1911	5,000 00		
Beverly	" "	4s,	July 1, 1911	9,000 00		
Medford	" "	4s,	July 1, 1911	26,000 00		
Lenox	Town "	4s,	Oct. 10, 1911	5,000 00		
Rochester, N. Y.	City "	3 1-2s,	Jan. 1, 1912	50,000 00		
Boston	" "	4s,	Apr. 1, 1912	23,000 00		
Lynn	" "	4s,	May 1, 1912	5,000 00		
Lenox	Town "	4s,	Oct. 10, 1912	5,000 00		
Boston & Lowell R.R. Co.		4s,	Feb. 1, 1913	1,000 00		
Lynn	City bonds	4s,	May 1, 1913	5,000 00		
Boston & Albany R.R. Co.		4s,	Oct. 1, 1913	50,000 00		
Lynn	City bonds	4s,	May 1, 1914	5,000 00		
Allegheny, Pa.	" "	3 1-2s,	Oct. 1, 1914	22,000 00		
Lynn	" "	4s,	May 1, 1915	5,000 00		
Medford	" "	4s,	July 1, 1915	23,000 00		
Allegheny, Pa.	" "	3 1-2s,	Oct. 1, 1915	22,000 00		
Boston	" "	4s,	Jan. 1, 1916	20,000 00		
Watertown	Town "	3 1-2s,	Jan. 1, 1916	7,000 00		
Melrose	City "	4s,	Feb. 24, 1916	10,000 00		
Fall River	" "	4s,	Mar. 1, 1916	42,000 00		
Lynn	" "	4s,	May 1, 1916	5,000 00		
Brockton	" "	3 1-2s,	July 1, 1916	5,000 00		
Amounts carried forward . .				$418,000 00	$531,500 00	

Amounts brought forward . .						$418,000 00	$531,500 00
Boston & Lowell R.R. Co.		4s,	July	1,	1916	10,000 00	
Fitchburg R.R. Co.		4s,	July	1,	1916	10,000 00	
Worcester	City bonds	4s,	July	1,	1916	35,000 00	
Allegheny, Pa.	" "	3 1-2s,	Oct.	1,	1916	22,000 00	
Boston	" "	3 1-2s,	Jan.	1,	1917	50,000 00	
Watertown	Town "	3 1-2s,	Jan.	1,	1917	9,000 00	
Watertown	" "	3 1-2s,	Jan.	1,	1918	9,000 00	
Marlborough	City "	4s,	July	1,	1918	10,000 00	
Medford	" "	4s,	Aug.	1,	1918	50,000 00	
Watertown	Town "	3 1-2s,	Jan.	1,	1919	9,000 00	
Boston	City "	3 1-2s,	July	1,	1919	5,000 00	
Watertown	Town "	3 1-2s,	Jan.	1,	1920	9,000 00	
Stoughton	" "	4s,	June	1,	1920	2,000 00	
Watertown	" "	3 1-2s,	Jan.	1,	1921	9,000 00	
Watertown	" "	3 1-2s,	Jan.	1,	1922	9,000 00	
Reading	" "	4s,	June	1,	1922	5,000 00	
Boston	City "	3 1-2s,	June	1,	1922	53,000 00	
Boston	" "	3 1-2s,	June	1,	1923	66,000 00	
Reading	Town "	4s,	June	1,	1923	5,000 00	
Medford	City "	4s,	July	1,	1923	2,000 00	
Old Colony R.R. Co.		4s,	Dec.	1,	1925	50,000 00	
Fitchburg R.R. Co.		4s,	Mar.	1,	1927	40,000 00	
							887,000 00
							$1,418,500 00
Cash on hand							3 46
							$1,418,503 46

The following are the investments belonging to the Water Loan Funds:

			Maturing				
Cambridge	City bonds	4s,	May	1,	1910	$131,000 00	
"	" "	4s,	July	1,	1910	3,000 00	
"	" "	4s,	Sept.	1,	1910	2,000 00	
"	" "	4s,	May	2,	1912	1,000 00	
"	" "	3 1-2s,	Nov.	1,	1912	20,000 00	
"	" "	4s,	Nov.	1,	1912	2,000 00	
"	" "	4s,	Feb.	1,	1913	5,000 00	
"	" "	3 1-2s,	May	1,	1913	5,500 00	
"	" "	3 1-2s,	May	1,	1915	12,500 00	
"	" "	4s,	Apr.	1,	1916	10,000 00	
"	" "	3 1-2s,	May	1,	1916	11,500 00	
"	" "	4s,	Oct.	1,	1916	65,100 00	
"	" "	3 1-2s,	May	1,	1917	12,500 00	
"	" "	3 1-2s,	Dec.	1,	1917	40,000 00	
"	" "	3 1-2s,	May	1,	1919	12,500 00	
"	" "	3 1-2s,	Nov.	1,	1919	20,000 00	
"	" "	3 1-2s,	May	1,	1920	12,500 00	
"	" "	4s,	Nov.	1,	1920	5,000 00	
"	" "	3 1-2s,	May	1,	1921	12,500 00	
"	" "	3 1-2s,	May	1,	1922	12,500 00	
"	" "	3 1-2s,	July	1,	1922	1,000 00	
"	" "	3 1-2s,	May	1,	1923	12,500 00	
"	" "	4s,	Apr.	1,	1924	1,000 00	
"	" "	3 1-2s,	May	1,	1924	12,500 00	
"	" "	3 1-2s,	Apr.	1,	1933	1,000 00	
							$424,100 00
Amount carried forward . .							$424,100 00

Amount brought forward . .						$424,100 00
Brockton	City	bonds	3 1-2s	Aug. 1, 1909	$2,000 00	
Methuen	Town	"	4s,	Aug. 1, 1909	15,000 00	
Greenfield	"	"	3 1-2s,	Oct. 15, 1909	6,000 00	
Malden	City	"	4s,	Nov. 1, 1909	5,000 00	
Fitchburg	"	"	3 1-2s,	Nov. 1, 1909	8,000 00	
Essex, Co. of	County	"	3 1-2s,	Nov. 8, 1909	5,000 00	
Troy, N. Y.	City	"	3 1-2s,	Nov. 15, 1909	2,000 00	
Boston, Clinton, Fitchburg & New Bedford R.R. Co.			5s,	Jan. 1, 1910	100,000 00	
Revere	Town	bonds	3 1-2s,	Apr. 1, 1910	12,000 00	
Taunton	City	"	3 1-2s,	June 1, 1910	21,000 00	
Newburyport	"	"	3 1-2s,	June 1, 1910	12,000 00	
Springfield	"	"	3 1-2s,	July 1, 1910	8,700 00	
Somerville	"	"	4s,	July 1, 1910	17,000 00	
Brockton	"	"	3 1-2s,	Aug. 1, 1910	2,000 00	
Salem	"	"	3 1-2s,	Sept. 1, 1910	5,000 00	
Gloucester	"	"	3 1-2s,	Oct. 1, 1910	10,000 00	
Greenfield	Town	"	3 1-2s,	Oct. 15, 1910	6,000 00	
Fitchburg	"	"	3 1-2s,	Nov. 1, 1910	8,000 00	
Essex, Co. of	County	"	3 1-2s,	Nov. 8, 1910	5,000 00	
Troy, N. Y.	City	"	3 1-2s,	Nov. 15, 1910	2,000 00	
Revere	Town	"	3 1-2s,	Apr. 1, 1911	4,000 00	
New Haven & Northampton R.R. Co.			5s,	Apr. 1, 1911	50,000 00	
Holyoke	City	bonds	3 1-2s,	May 1, 1911	7,500 00	
Taunton	"	"	3 1-2s,	June 1, 1911	35,000 00	
Springfield	"	"	3 1-2s,	July 1, 1911	8,700 00	
Brockton	"	"	3 1-2s,	Aug. 1, 1911	2,000 00	
Newburyport	"	"	3 1-2s,	Sept. 1, 1911	2,000 00	
Salem	"	"	3 1-2s,	Sept. 1, 1911	5,000 00	
Greenfield	Town	"	3 1-2s,	Oct. 1, 1911	12,000 00	
Newton	City	"	3 1-2s,	Nov. 1, 1911	12,500 00	
Fitchburg	"	"	3 1-2s,	Nov. 1, 1911	8,000 00	
Troy, N. Y.	"	"	3 1-2s,	Nov. 15, 1911	2,000 00	
New Bedford	"	"	3 1-2s,	Mar. 1, 1912	15,000 00	
Boston	"	"	4s,	Apr. 1, 1912	35,000 00	
Pittsburg, Pa.	"	"	3 1-4s,	Apr. 1, 1912	10,000 00	
Holyoke	"	"	3 1-2s,	May 1, 1912	7,500 00	
Worcester	"	"	3 1-2s,	July 1, 1912	35,000 00	
Springfield	"	"	3 1-2s,	July 1, 1912	8,700 00	
Somerville	"	"	4s,	July 1, 1912	8,000 00	
Brockton	"	"	3 1-2s,	Aug. 1, 1912	2,000 00	
Newburyport	"	"	3 1-2s,	Sept. 1, 1912	7,000 00	
Salem	"	"	3 1-2s,	Sept. 1, 1912	5,000 00	
Wakefield	Town	"	4s,	Oct. 1, 1912	1,000 00	
Gloucester	City	"	3 1-2s,	Oct. 1, 1912	10,000 00	
Lynn	"	"	3 1-2s,	Oct. 1, 1912	3,000 00	
Fitchburg	"	"	3 1-2s,	Nov. 1, 1912	8,000 00	
Troy, N. Y.	"	"	3 1-2s,	Nov. 15, 1912	2,000 00	
Holyoke	"	"	3 1-2s,	May 1, 1913	7,500 00	
Newburyport	"	"	3 1-2s,	June 1, 1913	12,000 00	
Springfield	"	"	3 1-2s,	July 1, 1913	8,700 00	
Somerville	"	"	4s,	July 1, 1913	8,000 00	
Brockton	"	"	3 1-2s,	Aug. 1, 1913	2,000 00	
Newburyport	"	"	3 1-2s,	Sept. 1, 1913	7,000 00	
Salem	"	"	3 1-2s,	Sept. 1, 1913	5,000 00	
Gloucester	"	"	3 1-2s,	Oct. 1, 1913	10,000 00	
Fitchburg	"	"	3 1-2s,	Nov. 1, 1913	8,000 00	
Amounts carried forward . .					$625,800 00	$424,100 00

Amounts brought forward . .				$625,800 00	$424,100 00
Troy, N. Y.	City bonds	3 1-2s,	Nov. 15, 1913	2,000 00	
Holyoke	" "	3 1-2s,	May 1, 1914	7,500 00	
Springfield	" "	3 1-2s,	July 1, 1914	6,700 00	
Somerville	" "	4s,	July 1, 1914	8,000 00	
Salem	" "	3 1-2s,	Sept. 1, 1914	5,000 00	
Newburyport	" "	3 1-2s,	Sept. 1, 1914	7,000 00	
Troy, N. Y.	" "	3 1-2s,	Nov. 15 1914	2,000 00	
Lynn	" "	4s,	Jan. 1, 1915	16,000 00	
Revere	Town "	3 1-2s,	Apr. 1, 1915	1,000 00	
Weymouth	" "	3 1-2s,	May 1, 1915	2,500 00	
Holyoke	City "	3 1-2s,	May 1, 1915	7,500 00	
Newburyport	" "	3 1-2s,	June 1, 1915	12,000 00	
Springfield	" "	3 1-2s,	July 1, 1915	5,700 00	
Somerville	" "	4s,	July 1, 1915	8,000 00	
Brockton	" "	3 1-2s,	Aug. 1, 1915	1,000 00	
West End Street Railway		4s,	Aug. 1, 1915	9,000 00	
Newburyport	City bonds	3 1-2s,	Sept. 1, 1915	7,000 00	
Salem	" "	3 1-2s,	Sept. 1, 1915	5,000 00	
Gloucester	" "	3 1-2s,	Oct. 1, 1915	10,000 00	
Troy, N. Y.	" "	3 1-2s,	Nov. 15, 1915	2,000 00	
Weymouth	Town "	3 1-2s,	May 1, 1916	2,500 00	
Holyoke	City "	3 1-2s,	May 1, 1916	7,500 00	
Springfield	" "	3 1-2s,	July 1, 1916	3,500 00	
Somerville	" "	4s,	July 1, 1916	8,000 00	
Salem	" "	3 1-2s,	Sept. 1, 1916	5,000 00	
Gloucester	" "	3 1-2s,	Oct. 1, 1916	10,000 00	
West End Street Railway		4s,	Feb. 1, 1917	3,000 00	
Wellesley	Town bonds	4s,	Mar. 1, 1917	2,000 00	
Waltham	City "	4s,	Apr. 1, 1917	24,000 00	
Revere	Town "	3 1-2s,	Apr. 1, 1917	12,000 00	
Weymouth	" "	4s,	May 1, 1917	2,500 00	
Holyoke	City "	3 1-2s,	May 1, 1917	7,500 00	
Salem	" "	3 1-2s,	Sept. 1, 1917	5,000 00	
Gloucester	" "	3 1-2s,	Oct. 1, 1917	10,000 00	
New Bedford	" "	4 1-2s,	Oct. 1, 1917	75,000 00	
Hallowell, Me.	" "	4s,	Jan. 1, 1918	15,000 00	
Wellesley	Town "	4s,	Mar. 1, 1918	1,000 00	
Weymouth	" "	3 1-2s,	May 1, 1918	2,500 00	
Holyoke	City "	3 1-2s,	May 1, 1918	7,500 00	
Salem	" "	3 1-2s,	Sept. 1, 1918	5,000 00	
Gloucester	" "	3 1-2s,	Oct. 1, 1918	10,000 00	
Weymouth	Town "	3 1-2s,	May 1, 1919	2,500 00	
Newburyport	City "	3 1-2s,	June 1, 1919	11,000 00	
Salem	" "	3 1-2s,	Sept. 1, 1919	5,000 00	
Boston	" "	3 1-2s,	Oct. 1, 1919	6,000 00	
Revere	Town "	3 1-2s,	Apr. 1, 1920	2,000 00	
Weymouth	" "	3 1-2s,	May 1, 1920	2,500 00	
Penobscot Shore Line R.R. Co.		4s,	Aug. 1, 1920	25,000 00	
Fitchburg R.R. Co.		3 1-2s,	Oct. 1, 1920	50,000 00	
Revere	Town bonds	3 1-2s,	Apr. 1, 1922	7,000 00	
Quincy	City "	4s,	May 1, 1923	2,000 00	
Quincy	" "	4s,	May 1, 1924	1,000 00	
Rochester, N. Y.	" "	3 1-2s,	July 1, 1924	35,000 00	
Quincy	" "	4s,	May 1, 1925	2,000 00	
Quincy	" "	4s,	May 1, 1926	3,000 00	
Quincy	" "	4s,	May 1, 1927	3,000 00	
Attleborough	Town "	4s,	July 1, 1927	10,000 00	
Amounts carried forward . .				$1,136,200 00	$424,100 00

Amounts brought forward . .					$1,136,200 00	$424,100 00
Quincy	City bonds	4s,	May	1, 1928	3,000 00	
Winchester	Town "	4s,	June	1, 1928	6,000 00	
Quincy	City "	4s,	May	1, 1929	3,000 00	
Fall River	" "	3 1-2s,	Nov.	1, 1929	75,000 00	
Quincy	" "	4s,	May	1, 1930	3,000 00	
Quincy	" "	4s,	May	1, 1931	3,000 00	
Quincy	" "	4s,	May	1, 1932	1,000 00	
Newton	" "	4s,	Aug.	1, 1935	2,000 00	
Newton	" "	4s,	July	1, 1936	11,000 00	
Grafton	Town "	3 1-2s,	July	1, 1937	1,000 00	
Old Colony R.R.	Co.	4s,	Jan.	1, 1938	25,000 00	
Grafton	Town "	3 1-2s,	July	1, 1938	2,000 00	
Grafton	" "	3 1-2s,	July	1, 1939	2,000 00	
						1,273,200 00
						$1,697,300 00
Cash on hand						7,348 77
						$1,704,648 77

The Committee appointed to audit the accounts of the Treasurer of the Funds reports that his accounts are correct and properly vouched, and his books are well kept. The cash, interest and bond transactions of the Treasurer have been carefully computed independently of his books and the correctness of his books thereby proved. This audit covers the sixteen months ending March 31, 1909.

MUNICIPAL LOAN FUNDS.

BOND ACCOUNT.

Amount of bonds in the Funds, November 30, 1907 . .	$1,119,000 00		
Amount of bonds and notes purchased to November 30, 1908 .	437,500 00		
Amount of bonds purchased to March 31, 1909 . . .	129,000 00		
		$1,685,500 00	
Amount of bonds matured to November 30, 1908 . . .	$217,000 00		
Amount of bonds matured to March 31, 1909 . . .	50,000 00		
		267,000 00	
Amount of bonds in the Funds, March 31, 1909 . . .			$1,418,500 00

CASH ACCOUNT.

Cash on hand November 30, 1907 .	$66,830 36		
Cash received from City Treasurer from taxation to November 30, 1908	182,401 37		
Amounts carried forward . .	$249,231 73		$1,418,500 00

Amounts brought forward . .	$249,231 73		$1,418,500 00
Cash received from City Treasurer for temporary loans . .	166,000 00		
Cash received for interest on investments to November 30, 1908	45,401 66		
Cash received for interest on investments to March 31, 1909 .	13,021 27		
Cash received for matured bonds to November 30, 1908 . .	51,000 00		
Cash received for matured bonds to March 31, 1909 . . .	50,000 00		
Cash received for discount on bonds purchased . . .	782 50		
		$575,437 16	
Cash paid for bonds purchased to November 30, 1908 . .	$371,500 00		
Cash paid for accrued interest on bonds purchased to November 30, 1908	2,827 42		
Cash paid for premium on bonds purchased to Nevember 30, 1908	581 90		
Cash paid for bonds purchased to March 31, 1909 . . .	129,000 00		
Cash paid for accrued interest on bonds purchased to March 31, 1909	624 38		
Cash paid City Treasurer for temporary loan	66,000 00		
Cash paid City Treasurer for municipal bonds falling due .	4,900 00		
		575,433 70	
Cash on hand March 31, 1909 .			3 46
Total amount of Municipal Sinking Funds, March 31, 1909			$1,418,503 46

WATER LOAN FUNDS.

BOND ACCOUNT.

Amount of bonds in the Funds, November 30, 1907 . .	$1,566,300 00		
Amount of bonds purchased to November 30, 1908 . .	188,000 00		
Amount of bonds purchased to March 31, 1909 . . .	21,000 00		
		$1,775,300 00	
Amount of bonds matured to November 30, 1908 . .	$62,000 00		
Amount of bonds matured to March 31, 1909 . . .	16,000 00		
		78,000 00	
Amount of bonds in the Funds, March 31, 1909 . . .			$1,697,300 00
Amount carried forward . .			$1,697,300 00

Amount brought forward . .			$1,697,300 00

CASH ACCOUNT.

Cash on hand November 30, 1907	$16,427 18		
Cash received from City Treasurer for water rates, fines, etc. .	122,538 00		
Cash received from interest on investments to November 30, 1908	61,151 32		
Cash received from interest on investments to March 31, 1909	10,864 65		
Cash received for matured bonds to November 30, 1908 . .	62,000 00		
Cash received for matured bonds to March 31, 1909 . .	16,000 00		
		$288,981 15	
Cash paid for bonds purchased to November 30, 1908 . .	$188,000 00		
Cash paid for premium on bonds purchased to November 30, 1908	399 10		
Cash paid for accrued interest on bonds purchased to November 30, 1908	690 88		
Cash paid City Treasurer to redeem maturing water bonds to November 30, 1908 . .	71,000 00		
Cash paid for bonds purchased to March 31, 1909 . . .	21,000 00		
Cash paid for premium on bonds purchased to March 31, 1909 .	318 85		
Cash paid for accrued interest on bonds purchased to March 31, 1909	223 55		
		281,632 38	
Cash on hand March 31, 1909 .			7,348 77
Total amount of Water Loan Sinking Funds, March 31, 1909			$1,704,648 77

FRANK A. ALLEN,
GEORGE G. WRIGHT,
Auditing Committee.

Respectfully submitted,

FRANK A. ALLEN,
GEO. H. HOWARD,
GUSTAVUS GOEPPER,
GEORGE G. WRIGHT,
THOMAS F. ROYLE,
AUSTIN FORD,

Commissioners of the Sinking Funds of the City of Cambridge.

The bonded City Debt matures as follows, viz.:—

July	1, 1909,	City	3 1-2s	$45,000 00
Nov.	1, 1909,	Sewer	4s	22,000 00
Nov.	1, 1909,	City	3 1-2s	32,000 00
May	1, 1910,	Sewer	4s	15,000 00
Nov.	1, 1910,	Cemetery	3 1-2s	7,000 00
Nov.	1, 1910,	City	3 1-2s	36,000 00
July	1, 1911,	Sewer	4s	15,000 00
July	1, 1911,	Clay Land	4s	50,000 00
Nov.	1, 1911,	City	3 1-2s	36,000 00
July	1, 1912,	City	3 1-2s	38,000 00
Nov.	1, 1912,	Clay Land	3 1-2s	20,000 00
Nov.	1, 1912,	City	3 1-2s	20,000 00
Aug.	1, 1913,	Clay Land	3 1-2s	10,000 00
July	1, 1914,	Clay Land	3 1-2s	17,000 00
Aug.	1, 1914,	Building	4s	118,000 00
Aug.	1, 1914,	Street	4s	30,000 00
Oct.	1, 1915,	Building	4s	60,000 00
Oct.	1, 1915,	Street	4s	60,000 00
July	1, 1916,	Building	4s	70,000 00
Oct.	1, 1916,	Street	4s	137,000 00
Oct.	1, 1916,	Building	4s	33,000 00
Oct.	1, 1916,	Sewer	4s	75,000 00
Oct.	1, 1916,	Schoolhouse	4s	6,000 00
July	1, 1917,	Schoolhouse	3 1-2s	100,000 00
Oct.	1, 1917,	Harvard Bridge	4s	10,000 00
Jan.	1, 1918,	City	4s	10,000 00
May	1, 1918,	City	4s	400,000 00
May	2, 1918,	Schoolhouse	3 1-2s	100,000 00
May	2, 1918,	Street	3 1-2s	15,000 00
June	1, 1918,	Schoolhouse	3 1-2s	50,000 00
June	1, 1918,	City	4s	30,000 00
July	1, 1918,	Harvard Bridge	4s	100,000 00
Aug.	1, 1918,	Schoolhouse	3 1-2s	142,000 00
Aug.	1, 1918,	City	4s	7,000 00
Sept.	1, 1918,	Harvard Bridge	4s	100,000 00
Mar.	1, 1919,	Harvard Bridge	4s	115,000 00
July	1, 1919,	Schoolhouse	3 1-2s	42,000 00
Nov.	1, 1919,	Street	3 1-2s	5,000 00
Nov.	1, 1919,	Schoolhouse	3 1-2s	13,000 00
Nov.	1, 1920,	Harvard Bridge	4s	5,000 00
Nov.	1, 1920,	Street	3 1-2s	21,000 00
July	1, 1921,	Harvard Bridge	4s	60,000 00
July	1, 1921,	Street	3 1-2s	30,000 00
July	1, 1921,	Cambridge Bridge	3 1-2s	24,000 00
July	1, 1921,	Schoolhouse	3 1-2s	76,000 00
Nov.	1, 1921,	Public Library	3 1-2s	27,000 00
July	1, 1922,	Hospital	3 1-2s	6,000 00
Amount carried forward				$2,440,000 00

Amount brought forward . .				$2,440,000 00
July 1, 1922,	Schoolhouse . .	3 1-2s		86,500 00
July 1, 1922,	Street . . .	3 1-2s		30,000 00
Oct. 1, 1922,	Schoolhouse . .	3 1-2s		11,000 00
Nov. 1, 1922,	Street . . .	3 1-2s		14,000 00
Apr. 1, 1923,	Street . . .	3 1-2s		4,000 00
Apr. 1, 1923,	Building . . .	3 1-2s		3,000 00
Aug. 1, 1923,	Harvard Bridge . .	4s		10,000 00
Oct. 1, 1923,	Schoolhouse . .	3 1-2s		80,000 00
Nov. 2, 1923,	Street . . .	3 1-2s		12,000 00
Feb. 1, 1924,	Park	4s		360,000 00
Apr. 1, 1924,	Building . . .	3 1-2s		25,000 00
Apr. 1, 1924,	Schoolhouse . .	3 1-2s		80,000 00
May 1, 1924,	Building . . .	3 1-2s		5,000 00
Aug. 1, 1924,	Sewer . . .	4s		75,000 00
Sept. 1, 1924,	Street . . .	3 1-2s		59,000 00
Nov. 1, 1924,	Building . . .	3 1-2s		6,000 00
Nov. 1, 1924,	Schoolhouse . .	3 1-2s		20,000 00
Nov. 1, 1924,	Street . . .	3 1-2s		6,500 00
May 1, 1925,	Street . . .	3 1-2s		5,000 00
May 1, 1925,	Street . . .	3 1-2s		50,000 00
May 1, 1925,	Street . . .	3 1-2s		25,000 00
May 1, 1925,	Street . . .	3 1-2s		4,000 00
May 1, 1925,	Schoolhouse . .	3 1-2s		20,000 00
May 1, 1925,	Schoolhouse . .	3 1-2s		950 00
Aug. 1, 1925,	Schoolhouse . .	3 1-2s		20,000 00
Oct. 1, 1925,	Sewer . . .	4s		60,000 00
Nov. 1, 1925,	Street . . .	3 1-2s		1,500 00
May 1, 1926,	Street . . .	4s		100,000 00
Aug. 1, 1926,	Park	4s		100,000 00
Aug. 1, 1926,	Schoolhouse . .	4s		47,000 00
Aug. 1, 1926,	Street . . .	4s		22,000 00
Oct. 1, 1926,	Park	4s		40,000 00
Apr. 1, 1927,	Street . . .	4s		40,000 00
June 1, 1927,	Street . . .	4s		19,000 00
Sept. 1 1927,	Street . . .	4s		25,000 00
Sept. 1 1927,	Building . . .	4s		30,000 00
Nov. 1, 1927,	Street . . .	4s		10,000 00
Jan. 1, 1928,	Street . . .	4s		34,000 00
Aug. 1, 1928,	Street . . .	4s		42,000 00
Aug. 1, 1928,	Hospital . . .	4s		20,000 00
Dec. 1, 1928,	Schoolhouse . .	3 1-2s		40,000 00
Mar. 1, 1929,	Street . . .	3 1-2s		20,000 00
Nov. 1, 1929,	Sewer . . .	3 1-2s		42,000 00
July 1, 1930,	Sewer . . .	3 1-2s		100,000 00
Aug. 1, 1931,	Sewer . . .	3 1-2s		110,000 00
Aug. 1, 1932,	Metropolitan Park Assessment . .	3 1-2s		46,000 00
Amount carried forward . .				$4,400,450 00

Amount brought forward				$4,400,450 00
Nov. 1, 1932,	Sewer		3 1-2s	20,000 00
Apr. 1, 1933,	Sewer		3 1-2s	40,000 00
Oct. 1, 1933,	Sewer		3 1-2s	20,000 00
May 1, 1934,	Cambridge Bridge — Special Loan		3 1-2s	28,000 00
May 1, 1934,	Sewer		3 1-2s	112,000 00
Nov. 1, 1934,	Sewer		3 1-2s	5,000 00
May 1, 1935,	Sewer		3 1-2s	90,000 00
Aug. 1, 1935,	Park		4s	100,000 00
Feb. 1, 1936,	Park		4s	100,000 00
May 1, 1936,	Sewer		4s	35,000 00
Sept. 1, 1936,	Sewer		4s	25,000 00
Apr. 1, 1937,	Sewer		4s	60,000 00
Sept. 1, 1937,	Park		3 1-2s	100,000 00
Nov. 1, 1937,	Charles River Improvement		3 1-2s	50,000 00
Nov. 1, 1937,	Sewer		4s	10,000 00
June 1, 1938,	Park		3 1-2s	50,000 00
Aug. 1, 1938,	Park		3 1-2s	50,000 00
Aug. 1, 1938,	Charles River Improvement		3 1-2s	50,000 00
Aug. 1, 1938,	Sewer		4s	25,000 00
Dec. 1, 1938,	Sewer		4s	17,000 00
July 1, 1939,	Cambridge Bridge		3 1-2s	50,000 00
Aug. 1, 1939,	Park		3 1-2s	100,000 00
July 1, 1940,	Cambridge Bridge		3 1-2s	100,000 00
July 1, 1940,	Park		3 1-2s	50,000 00
Nov. 1, 1940,	Park		3 1-2s	50,000 00
Feb. 1, 1941,	Cambridge Bridge		3s	100,000 00
Oct. 1, 1941,	Park		3 1-2s	100,000 00
Nov. 1, 1941,	Cambridge Bridge		3 1-2s	100,000 00
July 1, 1942,	Park		3 1-2s	48,000 00
Aug. 1, 1942,	Cambridge Bridge		3 1-2s	100,000 00
Jan. 1, 1943,	Cambridge Bridge		3 1-2s	50,000 00
Apr. 1, 1943,	Cambridge Bridge		3 1-2s	50,000 00
Apr. 1, 1943,	Park		3 1-2s	50,000 00
Aug. 1, 1943,	Cambridge Bridge		3 1-2s	50,000 00
Jan. 1, 1944,	Cambridge Bridge		3 1-2s	100,000 00
May 1, 1944,	Cambridge Bridge		3 1-2s	200,000 00
Aug. 1, 1944,	Cambridge Bridge		3 1-2s	100,000 00
Sept. 1, 1944,	Cambridge Bridge		3 1-2s	50,000 00
Sept. 1, 1944,	Park		3 1-2s	25,000 00
Nov. 1, 1944,	Park		3 1-2s	6,000 00
Apr. 1, 1945,	Park		3 1-2s	5,000 00
May 1, 1945,	Park		3 1-2s	30,000 00
May 1, 1945,	Park		3 1-2s	15,000 00
Amount carried forward				$6,916,450 00

Amount brought forward . .				$6,916,450 00
May	1, 1945,	Cambridge Bridge .	3 1-2s	10,000 00
May	1, 1945,	Cambridge Bridge .	3 1-2s	21,000 00
May	1, 1945,	Cambridge Bridge .	3 1-2s	19,000 00
May	1, 1945,	Cambridge Bridge .	3 1-2s	100,000 00
Aug.	1, 1945,	Park	3 1-2s	5,000 00
Dec.	1, 1945,	Cambridge Bridge .	3 1-2s	100,000 00
Jan.	1, 1946,	Cambridge Bridge .	3 1-2s	20,000 00
Aug.	1, 1946,	Cambridge Bridge .	4s	150,000 00
Aug.	1, 1946,	Commercial Ave. Bridge	4s	50,000 00
Sept.	1, 1946,	Park	4s	25,000 00
Sept.	1, 1946,	Cambridge Bridge .	4s	5,000 00
Jan.	1, 1947,	Cambridge Bridge .	4s	50,000 00
July	1, 1947,	Cambridge Bridge .	4s	40,000 00
Oct.	1, 1947,	Cambridge Bridge .	4s	15,000 00
Oct.	1, 1947,	Park	4s	10,000 00
Aug.	1, 1948,	Cambridge Bridge .	4s	45,000 00
Aug.	1, 1948,	Park	4s	30,000 00
Nov.	1, 1948,	Park	4s	12,000 00
				$7,623,450 00

The bonded Water Debt matures as follows:—

May	1, 1909 . . .	3 1-2s . .		$12,500 00
July	1, 1909 . . .	4s . .		20,000 00
May	1, 1910 . . .	3 1-2s . .		12,500 00
May	1, 1910 . . .	4s . .		288,000 00
July	1, 1910 . . .	4s . .		75,000 00
Sept.	1, 1910 . . .	4s . .		125,000 00
Jan.	1, 1911 . . .	4s . .		20,000 00
May	1, 1911 . . .	3 1-2s . .		12,500 00
Oct.	1, 1911 . . .	4s . .		35,000 00
Jan.	1, 1912 . . .	4s . .		150,000 00
May	1, 1912 . . .	4s . .		75,000 00
May	1, 1912 . . .	3 1-2s . .		12,500 00
Nov.	1, 1912 . . .	4s . .		45,000 00
Feb.	1, 1913 . . .	4s . .		100,000 00
May	1, 1913 . . .	3 1-2s . .		12,500 00
Aug.	1, 1913 . . .	4s . .		50,000 00
May	1, 1914 . . .	3 1-2s . .		12,500 00
Apr.	1, 1915 . . .	4s . .		200,000 00
May	1, 1915 . . .	3 1-2s . .		12,500 00
Aug.	1, 1915 . . .	4s . .		200,000 00
Apr.	1, 1916 . . .	4s . .		100,000 00
May	1, 1916 . . .	3 1-2s . .		12,500 00
July	1, 1916 . . .	4s . .		200,000 00
Aug.	1, 1916 . . .	4s . .		100,000 00
Oct.	1, 1916 . . .	4s . .		265,100 00
Apr.	1, 1917 . . .	3 1-2s . .		200,000 00
May	1, 1917 . . .	3 1-2s . .		12,500 00
July	1, 1917 . . .	3 1-2s . .		100,000 00
Nov.	1, 1917 . . .	3 1-2s . .		75,000 00
Dec.	1, 1917 . . .	3 1-2s . .		140,000 00
May	1, 1918 . . .	3 1-2s . .		12,500 00
May	2, 1918 . . .	3 1-2s . .		50,000 00
Amount carried forward . .				$2,738,100 00

Amount brought forward . .			$2,738,100 00	
June	1, 1918 . . .	3 1-2s . .	60,000 00	
Nov.	1, 1918 . . .	3 1-2s . .	50,000 00	
May	1, 1919 . . .	3 1-2s . .	12,500 00	
Nov.	1, 1919 . . .	3 1-2s . .	23,000 00	
May	1, 1920 . . .	3 1-2s . .	12,500 00	
Nov.	1, 1920 . . .	3 1-2s . .	30,000 00	
May	1, 1921 . . .	3 1-2s . .	12,500 00	
July	1, 1921 . . .	3 1-2s . .	30,000 00	
May	1, 1922 . . .	3 1-2s . .	12,500 00	
July	1, 1922 . . .	3 1-2s . .	13,500 00	
Nov.	1, 1922 . . .	3 1-2s . .	5,000 00	
May	1, 1923 . . .	3 1-2s . .	12,500 00	
Apr.	1, 1924 . . .	4s . .	300,000 00	
May	1, 1924 . . .	3 1-2s . .	12,500 00	
May	1, 1925 . . .	3 1-2s . .	12,500 00	
May	1, 1925 . . .	3 1-2s . .	15,000 00	
May	1, 1925 . . .	3 1-2s . .	26,000 00	
May	1, 1925 . . .	3 1-2s . .	5,000 00	
June	1, 1928 . . .	4s . .	20,000 00	
May	1, 1936 . . .	4s . .	280,000 00	
June	1, 1937 . . .	4s . .	49,000 00	
July	1, 1937 . . .	4s . .	25,000 00	
Aug.	1, 1938 . . .	4s . .	17,000 00	
				$3,774,100 00

REPORT OF THE COMMITTEE ON FINANCE.

Following the practice of previous years the Committee on Finance submits herewith its annual report.

Under the provisions of Chapter 564 of the Legislative Acts of the year 1907, the fiscal year of the City of Cambridge was made to begin April 1 instead of December 1 as heretofore established. By this act the four months following December 1 were added to the fiscal year 1907. It being deemed necessary to make provision for the expenses of the additional four months, this city council sought and obtained legislative authority for the issuance of municipal bonds to an amount not exceeding five hundred thousand dollars ($500,000.00) to meet the anticipated deficiency in receipt caused by the addition of four months to the financial year, beyond the number which were provided for from taxation and other sources of revenue. The legislative authority before mentioned was given by the following act:

[CHAP. 367.]

AN ACT TO AUTHORIZE THE CITY OF CAMBRIDGE TO ISSUE NOTES OR BONDS IN EXCESS OF ITS DEBT LIMIT.

Be it enacted, etc., as follows:

SECTION 1. The City of Cambridge may from time to time issue notes or bonds in excess of the limit allowed by law, to an amount not exceeding five hundred thousand dollars, and designated on the face thereof, City of Cambridge Loan, Act of 1908. Such notes or bonds shall bear interest, payable semi-annually, at a rate not exceeding four and one half per cent per annum, and shall be payable at the expiration of ten years from the respective dates of issue. The proceeds of the said notes or bonds shall be used in payment of the current expenses of the city incurred and to be incurred from the first day of December, nineteen hundred and seven, to and including the thirty-first day of March, nineteen hundred and eight. The city may sell such notes or bonds, or any part thereof, from time to time, or pledge the same for money borrowed for the above purposes, but the same shall not be sold or pledged for less than the par value thereof.

SECTION 2. The provisions of sections twelve, thirteen, fourteen, fifteen, sixteen and seventeen of chapter twenty-seven of the Revised Laws shall, so far as they may be applicable, apply to the loan authorized by this act.

SECTION 3. This act shall take effect upon its passage. [*Approved April 7, 1908.*]

In accordance with the change in the beginning of the financial year, the usual annual estimates were made and reported by this committee as of April 1, 1909. The total sum estimated as necessary to be raised by taxation was one million, nine thousand, seven hundred and thirty-four dollars and fifty-one cents ($1,709,734.51) and an order providing that said sum be so raised was reported May 12, 1908.

The customary sub-committee consisting of three members of this committee was appointed at the close of the financial year, to count the cash in the city treasury and examine the treasurer's accounts at the close of business on Wednesday, March 31, 1908. President E. B. James of the Board of Aldermen, Alderman Joseph H. Beale, Jr., and Councilman Richard F. Higgins carefully performed the duty before stated and made the following report:

To the Committee on Finance:—

GENTLEMEN:—The Sub-Committee appointed to count and examine the cash in the hands of the City Treasurer at the close of business on March 31, 1909, would respectfully report:

March 31, 1909—Actual cash and business checks in City Treasurer's office amount to		$6,221 32	
Also six certificates of deposit, showing balances at close of business, March 31, 1909, to the credit of the City Treasurer, as follows:			
1. Harvard Trust Co. of Cambridge .	$78,077 78		
Deduct from this checks not presented for payment . . .	1,070 18		
Making net balance in above .		77,007 60	
2. Cambridge Trust Co. of Cambridge		10,536 98	
3. Central Trust Co. of Cambridge .		26,031 94	
4. Charles River National Bank of Cambridge		21,366 28	
5. National City Bank of Cambridge .		4,635 81	
6. Lechmere National Bank of Cambridge		5,102 92	
Making total cash on hand . . .			$150,902 85
April 9, 1909—After the above examination by your Committee, additional entries belonging to the financial year ending March 31, 1909, were made as follows:			
RECEIPTS.			
Account of Licenses	$24 50		
Account of Licenses	50		
		$25 00	
Account of Police Department—Fines .	$924 15		
Account of Police Department—Fines .	86 00		
		1,010 15	
Account of Sealer of Weights and Measures		6 26	
Account of Temporary Loan . .		20,000 00	
Amounts carried forward		$21,041 41	$150,902 85

Amounts brought forward	$21,041 41	$150,902 85
Account of Taxes, 1908—Polls . .	234 00	
Account of Taxes, 1908—Personal Estate	512 54	
Account of Taxes, 1908—Real Estate .	23,068 77	
A total of		44,856 72
Which added to City Treasurer's cash balance as above makes a total of		$195,759 57
Deduct from this, amount paid on account of partial payments on taxes, but held in suspense . . .		6,353 98
Leaving a total in City Treasurer's hands as of March 31, 1909, of .		$189,405 59

The Sub-Committee also examined the total cash receipts and expenditures, as per City Treasurer's ledger, and find the same to be as follows:

Cash balance from March 31, 1908 .	$162,512 46	
Total cash receipts for year ending March 31, 1909	4,304,429 70	
A total of		$4,466,942 16
Total cash expenditures for year ending March 31, 1909 . .		4,277,536 57
Which deducted from total receipts shows a cash balance as of March 31, 1909, as above of		$189,405 59

The above statement of receipts and expenditures was verified by comparison with the City Auditor's statement for year ending March 31, 1909. The Sub-Committee also examined the securities belonging to the Cemetery Fund, $77,852.46, and Sarah E. Russell Fund, $814.41, both held in trust by the City Treasurer, and find the same to be correct.

E. B. JAMES,
JOSEPH H. BEALE, Jr.,
RICHARD F. HIGGINS,
Sub-Committee on Finance.

The foregoing report was transmitted to the general committee for publication with its annual report.

EDWARD B. JAMES,
JEREMIAH F. DOWNEY,
J. EDWARD BARRY,
JOSEPH H. BEALE, Jr.,
HENRY J. WINSLOW,
JOHN V. W. LAWSON,
WINSLOW HERBERT DODGE,
JESSE W. MORELAND,
ARTHUR E. BEANE,
RICHARD F. HIGGINS,
Committee on Finance.

REPORT OF THE TRUSTEES OF THE CAMBRIDGE PUBLIC LIBRARY.

To the Honorable, the City Council of the City of Cambridge:—

The trustees of the Cambridge Public Library respectfully submit this their fifty-first annual report, covering the period of sixteen months ending March 31, 1909.

The facts and figures in the accompanying report of the librarian give so full and clear an account of the work for the past year (as it may be called) that they need no extended repetition here. They show that, notwithstanding the unfavorable conditions, due entirely to inadequate financial support, the year, on the whole, has been more prosperous than might have been expected.

The total circulation in the Central Library and its branches has been 315,955 for the present fiscal year, an increase of 32,267, which is 9,626 less than in 1907. We may add that the total increase in annual circulation for the last five years has been 123,599 (from 192,356 in 1904 to 315,955 in 1909), while in the preceding five years there was a decrease of 2,871 (from 175,026 in 1899 to 172,155 in 1903), though in 1901 the circulation rose to 186,322, falling off in 1902 to 169,779—owing mainly to the closing of the delivery stations for lack of funds, but perhaps partly to the small-pox epidemic in the summer.

It will be seen from the librarian's report that the educational relations of the library continue to be developed and improved. The visits of the ninth-grade pupils to the library have been kept up, the time being changed at the request of the teachers from spring to fall in order that the instruction at the library may be enforced by practice in school during the year. The librarian hopes that this work may be gradually extended to other grades until all the grammar pupils receive the benefit of it; and also that the talks given in the schools by the children's librarian, which have been so heartily welcomed by both teachers and pupils, may be more frequent.

The list of books of interest to teachers prepared by the librarian has been carefully revised, and is printed in the last annual report of the school committee. It is arranged, as there stated, "to bring out special topics of teaching, and to include some of the representative aids to teachers in all subjects." We see that it now includes 359 volumes classified under twelve heads, together with 225 volumes of edu-

cational periodicals and annuals. Teachers are permitted to consult the books on the shelves in the stack, and to take out any of them for home reading and study.

The library is not only an important part of our educational system from its direct co-operation with the public, parochial, and private schools of the city, but its scope is broader and its clientage larger than those of all these schools combined. It is a great public school in itself, or, rather, a collection of schools under one roof, the advantages of which are free to every man, woman, and child who can read. As the trustees, in their report of 1902, reminded the people, no institution supported by their money is more "democratic," in the best sense of the term. "It is the high school for those who cannot continue their studies beyond the grammar school, and for those of mature age who had few opportunities for school training in their early years. It is the evening school, open every day, Sundays not excepted, for those who cannot attend the regular evening schools on account of their fixed hours and courses of study. It is the industrial school for the working man who has no other means of self-culture in his special craft. Its advantages are eminently for those who are least able to get them elsewhere—who can buy few books and take few periodicals, but are here supplied with both in abundance, and the cost of it is paid almost entirely by those who are least dependent upon its resources."

"It would seem, therefore," as the trustees remarked in their report for 1907, "that an enlightened public opinion would demand for such an institution a reasonably adequate support. Such a support has not in the judgment of the trustees been accorded to the Cambridge Public Library by the City Council. In recent years approximately not more than half the amount needed for the reasonable support of the library has been appropriated for its use. Under such conditions, and in the notable absence of private benefactions, it is inevitable that the growth of the library must suffer and its influence in the community eventually wane. A careful reading of the librarian's report will disclose the fact that important departments of the library's work are even now retrograding. After investigation, the trustees have arrived at the conclusion that this is due solely to insufficient support. Therefore, as advocates of the citizens who need the advantages which a public library is supposed to supply, the trustees are bound to protest against a policy which can only result in discredit to the library and to the city itself."

To quote this is only to repeat what in substance has been the burden of our annual reports for the last twenty years. They have been

a continuous record of inadequate support on the part of the City Council, and of persistent efforts on the part of the trustees and the library staff to make the best of the insufficient income.

The city authorities are not ignorant of the situation. At the recent celebration of the fiftieth anniversary of the founding of the library Ex-Mayor Daly, who had done faithful service for eight years as a trustee of the library, referred to "the priceless value of the institution to the educational life of the city," and added: "The trustees and librarians have proved their ability to meet the constantly increasing requirements of a growing city, and have kept this work up to the highest standard of efficiency. Every year they have discovered and recommended new avenues of influence for the library, so that to-day it is in easy and successful communication with nearly all parts of the city. . . . These plans of distribution for the purpose of bringing to the readers the ever-increasing knowledge found in the perusal of good books should command the heartiest support and encouragement of our public officers. . . . Its benefits cannot be measured in money. The appropriation for its maintenance should never be decreased but rather increased when possible."

Mayor Wardwell, in his address on the same occasion, remarked: "Our city is unable to make the library appropriations that are needed and should be granted to carry on the work of this department to the extent that it should be. This is so today, and it was so fifty years ago. Had it not been for private enterprise and for the generosity of some of our citizens, the work that has been accomplished could not have been. . . . I believe that there is just as much public spirit among our citizens today as there ever was, and I appeal to such men and women as are proud of our city, and are interested in its prosperity and advancement,—I appeal to such people to be as generous and public-spirited as were the men who have made this public library and its work, this beautiful building with its thousands of volumes, a possibility."

After saying that he is "very much surprised to find that the library has but five trust funds," amounting to about $21,000, he adds: "It seems to me that we should have a fund, the income of which would amount to more than this total sum; . . . and I appeal to the people of Cambridge who have the best interests of our city at heart to do what they can to further the great work that is being performed by the trustees of the library."

Is the City of Cambridge "unable" to support its public library properly? Is such an appeal to the people to eke out the inadequate

appropriation allotted to the institution really necessary? A stranger might infer from the Mayor's address that the library was one of the most expensive of the city departments, and a grievous burden upon the taxpayers; but a reference to the annual reports of municipal expenditures will show that the library is the least expensive of these departments. For the year 1907 the library with its branches received a little less than $26,000. The only department of any importance that cost less was that of "Cemeteries," which for obvious reasons may be left out of the comparison. The only other departments that received less than $100,000 were "Parks" (including "Baths," under the same control) with a little over $91,000; "Health," with $42,500; "Public Charity" (hospitals, almshouses, etc.), with $82,000; and "Waterworks," with $83,000. At the other end of the list are "Schools," with $528,000; "Highways and Sanitation," with $522,000; and "Public Safety" (police, fire department, etc.), with $357,000. The total of "Ordinary Expenditures" was $2,890,857. Of this amount it will be seen that the exacting and burdensome Library received in all less than one per cent.!

In 1903, out of a similar total of $2,414,459, the Library had $20,360—much less than one per cent. In 1900 it received $20,267—also much less than one per cent.; but we are not aware that any appeal to private generosity was made in behalf of the schools, or, indeed, at any time for such help in any department except this exorbitantly expensive Public Library.

Private generosity has, however, done much to lighten the heavy load thus laid upon the city government and the suffering taxpayers; and the Mayor in parts of his address that we have not quoted gives due credit for it. In addition to what Mr. Edmund T. Dana and his associates spent (we have no record of the amount) in founding and maintaining the library for the nine years before it was transferred to the city (in 1858), Mr. Rindge, in 1887, gave us the library building and land, the value of which is estimated in the municipal report for 1907 as $230,000, of which the city contributed only $50,000 for the additions to the building. With his other benefactions, which, except for the City Hall, were also for educational purposes, Mr. Rindge's gifts amounted to not less than $600,000—all unconditioned and unrestricted, and all a clear saving to the city of expenses which in the course of a few years it would inevitably have been compelled to incur, and the people eventually to pay.

The library has also received large bequests and gifts of books, works of art, and other property from the citizens of Cambridge. Of

the subscription fund of about $10,000 collected in 1889, through the efforts of Colonel Higginson and others, half was at once spent for books (largely for the "reference library"), and at the same time Mr. Henry O. Houghton gave a thousand dollars' worth of books, to be selected from the publications of his firm. Other contributions of books previous to the year 1900 from about a dozen persons count up to nearly 9,100 volumes. Many of these books are valuable art works, and many others are of a costly character. The gifts credited in the annual reports since 1900 amount to 2,290 bound volumes, with many pamphlets. Those similarly donated before 1900 would add several thousand volumes more, but we have not taken time to look them up. With the exception of the books bought with the half of the citizens' subscription of 1889, all these bequests and gifts have come to the library without any appeal to the givers.

Mayor Wardwell's plea for "a fund, the income of which should be more than the total sum" [of the present funds of $21,000] was a commendable one; but we think that the fund should come from the city rather than private citizens, and as an appropriate recognition of Mr. Rindge's munificence, which has had no other return than a vote of thanks and other conventional compliments—all "words, words, words," but nothing more substantial, enduring, and monumental. The "psychological moment" for such a tribute would have been either when he made the gifts or at the time of his decease; but it is not too late to make amends for the apparent ingratitude to the greatest of our civic benefactors.

We feel ashamed in this connection—and yet it may serve in a way to emphasize what has just been said—to call attention once more to the urgent necessity of repairs in the interior of the library building. Reference to this subject has been made in almost every annual report for the past nine years; but nothing whatever has been done since the erection of the building in 1889 with the exception of temporary repairs of leaks on the roof and the ceiling, and, in 1907, the re-setting of the front steps and the re-pointing of the stone work of a part of the exterior. We can only repeat what was said in the report for 1907, in the hope that it is the last time we may have occasion to refer to the matter: "The unsightly appearance of the interior of the building was brought to your attention a year ago, but as no appropriation was made to put the walls and woodwork in proper condition, the defects are becoming more and more marked. The trustees believe that the city by accepting this building—the munificent gift of the late Frederick H. Rindge—is thereby under obligation to preserve it."

In February, 1909, members of the family of the late Henry Oscar Houghton, whose generosity to the library has been mentioned above, made an offer of an annual gift of fifty dollars' worth of books to be chosen from the list of the Houghton Mifflin Company, and at the prices therein named. This offer was accepted by the trustees, in behalf of the library, and was all the more welcome from the fact that it is the only considerable gift that is to be recorded during the long period of sixteen months covered by this report. The value of this gift, which will become available during the next fiscal year, will equal, during its continuance, the income of the Fay fund, which is the oldest of the regular funds of the library.

With the resignation of Dr. Eugene A. McCarthy, near the end of the present fiscal year, the library has lost one of its most active and efficient trustees. As president of the board during the last six of the seven years of his service from 1902 to 1909, Dr. McCarthy gave much time and thought to the needs of the library; and to his ability and tact in presenting these needs before the finance committee of the city government is due much of the credit for such gains as may have been made in the annual appropriations for the library, and not less for the retention of the same appropriation, at times when there seemed to be a prospect of a considerable reduction.

With the present year the resignation of Mr. Albert M. Barnes, the senior member of the board, will terminate the longest period of service in the history of the library, covering twenty successive years since 1889. During the first three years (1889-1891) Mr. Barnes served as member from the school committee; during the next four years (1892-1895) he was president of the board; and throughout his long service he has given the library the benefit of his recognized business ability and his constant personal interest. His retirement leaves a vacancy not easy to fill.

One more recent retirement will complete a record of more changes in the board of trustees than has ever before occurred in the same period. The two trustees above named served only two of the three years for which they were last appointed. After serving two full terms as trustee, Mr. John Buckley has also declined reappointment. His residence in North Cambridge caused him to be especially interested in the establishment, three years ago, of the branch library in his section of the city, and his last successful effort in its behalf, to the accomplishment of which he was delegated by the trustees, has been shown in the permission granted by the City Council to use the ward-

room in the rear of the main room of the branch for the special purpose of a children's room, which is now much needed.

On Dr. McCarthy's resignation, Mr. Edward C. Wheeler, the senior member next after Mr. Barnes, was chosen president of the board of trustees. His term of service began in 1891, as representative for that year of the Common Council, of which he was then president, and, after an interval of five years, it has continued uninterruptedly for more than twelve years (1897-1909). In 1904 Mr. Wheeler acted also as secretary of the board of trustees, during the interval of three months before the coming of the present librarian.

As successor to Mr. Buckley, Professor Thomas N. Carver was appointed a trustee for the full term of three years from the third Monday in January, 1909, and Mr. Edward P. Collier was reappointed for the same term. Mr. Thomas F. Dolan was appointed to fill out the unexpired term of Dr. McCarthy, and in May, 1909, Rev. John F. Walsh, in place of Mr. Barnes.

We began the present report by saying that notwithstanding the unfavorable conditions under which the work of the past year has been done, the results have been better than might have been expected; and it is a pleasure for us to bear witness that the credit for this is mainly to be ascribed to the librarian and his staff, who, though overtasked and underpaid, have never flagged in their constant and cordial devotion to the faithful performance of their respective duties.

EDWARD C. WHEELER, President,
WILLIAM TAGGARD PIPER, Treasurer,
ALBERT M. BARNES,
THOMAS N. CARVER,
EDWARD P. COLLIER,
THOMAS F. DOLAN,
WILLIAM J. ROLFE,

Board of Trustees.

REPORT OF THE LIBRARIAN.

CAMBRIDGE, MASS., March 26, 1909.

To the Trustees of the Cambridge Public Library:—

GENTLEMEN:—I herewith submit the following report of the work of the library during the period of sixteen months from December, 1907, to March, 1909, both inclusive:

CHANGE IN THE FISCAL YEAR.

On account of the change in the fiscal year the present report will cover an unusual length of time, sixteen months, and its statistics, for purposes of comparison, will include three periods: (1) the old fiscal year, ending with November, 1908, on which must be based all exact comparisons with preceding years; (2) the short, partial year of four months, from December, 1907, to March, 1908; and (3) the new fiscal year, from April, 1908, to March, 1909, inclusive. By force of old associations the quarterly reports of the librarian have conformed to the quarters of the old fiscal year, the whole period containing five quarters and a separate month, to make the sixteen months, and as submitted, these reports have been at variance with the new quarters, which now correspond to the quarters of the calendar year. For purposes of comparison in the future, the tabulations by quarters, as shown in Appendix I below, will be made to conform to those of the new fiscal year.

STATISTICS OF CIRCULATION.

The chief item of interest is the total circulation, which reaches for the new fiscal year the gratifying figure of 315,955, an increase of 32,267 over that of the previous year, which was 283,688, and 6,506 over that of the old fiscal year ending with November, 1908, which was 309,449. This increase is the fourth largest in the history of the library, the others being 41,893 for 1907, 36,423 for 1905, and 34,761 for 1874, when the library became free to the public. The adult circulation from the central library leads the count of the last report by 6,714, the figures being 119,409 and 112,695 respectively; that from the children's room is 34,509, as against 32,998, a gain of only 1,511. Of special interest is the record of 1,068 for the adult daily circulation, which reached the highest point in the history of the library on February 13, 1909, a Saturday following the holiday granted in observance

of the centenary of Lincoln's birth. The next highest count, 935, is recorded for February 23, 1907, the day following Washington's Birthday, and the third highest count of 912 for February 24, 1906, a Sunday intervening.

This year the growth of the library from the outside, comprising the branches, stations, and schools, has passed for the first time, that of the central library alone, the figures being respectively 162,037 and 153,918, a difference of 8,119. In the previous report the difference stood about as much the other way, in favor of the central library by a smaller margin of 7,698, the figures being respectively 145,693 and 137,995. The total count of the central library for the period of four months following that of the last report, and preceding that of the present fiscal year (from December, 1907, to March, 1908, inclusive), is 56,105, of which 42,665 is the adult, and 13,440 the juvenile circulation. The combined total for the whole period of sixteen months covered by this report is 372,060. Further comparisons of circulation for the outer divisions of the service will be made under their several heads, and statistics in detail are reserved for Appendix I below. Among the latter, attention is called to a new tabulation of the additions of books for the fiscal year by classes of knowledge, by departments of the service, and by conditions of purchase, for both the central library and the branches.

APPROPRIATION FOR THE CENTRAL LIBRARY.

Even with a slightly less appropriation for general expenses ($10,300 as against $10,400) the central library has been able to do a little better than hold its own in respect to circulation, as above shown, and also in the conduct of the regular service. It could not be expected to meet adequately the increasing demands made upon it, so that efforts made at times to respond to urgent needs in one direction had to be offset by less attention to similar needs in another direction. For instance, more duplicates of books requested for the newer deposit stations were purchased, while at the same time the regular list of replacements was kept waiting, a considerable part of it being carried over into the next fiscal year. The appropriation for the salaries account was, to be sure, a little more than for the previous full year ($11,650, an increase of $550), but not sufficient to meet the salary of an extra assistant and the ordinary increases in salary which have been fixed by a standing vote of the trustees, much less to provide for other deserved increases and for still another much-needed assistant. On the other hand, it was only by an unexpected saving effected by

the resignation of an experienced assistant, and the employment of a successor at a much lower salary that the salaries account, which had been cut down from the estimate submitted by the trustees, came so near being met, and that a small transfer of $100 from the depleted general expense account was sufficient for that purpose. In so straightened circumstances only the ordinary expenses of maintenance, under both of the above heads, could be covered, and all hope of renovating the main building, which had not been touched since its erection in 1889, twenty years ago, up to last year, with the exception of repairs of leaks and other urgent cases, had to be deferred to another year.

CATALOGUING DEPARTMENT.

With the same force more work had to be faced, and this was done partly by draft upon other portions of the service. The large increase of appropriation for books for the North Cambridge branch library, reaching a total of nearly half the amount expended for books at the central library, brought an extra burden upon the cataloguing staff, and also upon the librarian, in their choice and purchase.

A new item of interest in this connection is the completion, chiefly between June and November of last year, of a shelf-reading, or partial inventory, of all the books in the main stack which have been reclassified, and of all those in the children's room. This is the most extensive work of the kind yet undertaken, previous readings of the shelves having been limited to special topics or floors of the stack. It has been done under the supervision of Miss Etta L. Russell, the assistant librarian, with the aid chiefly of one assistant, Mr. Edward P. O'Brien. Its result is important, not only as accounting for a number of books long reported missing, but also as disclosing a considerable number of losses beyond all trace of recovery. The extent of these losses of books, covering a period of ten years, and in some cases longer, is about 3,000 in a total collection of over 75,000 volumes (see Appendix I). Of these losses over one-third has come in the children's room, and mostly since 1904, when the entire juvenile collection was placed on the open shelves in that room. The large addition of space for open shelves in the main delivery room for adults, doubled in 1904 and tripled in 1908, the unavoidably free methods of circulation at the local and the deposit stations, and the extension of the special privilege of using the main stack, great as have obviously been their advantages to the public, have no doubt contributed largely, especially the first two conditions, to this loss account. Under such circumstances open shelves must be held responsible for most of these

unrecorded losses. Inasmuch, however, as less than one-twelfth of our entire collection of books (or about 6,000 books, all told, including those in the reference room) is exposed directly to the dangers of open shelves, it seems, on the one hand, difficult to account for the moral status of the community which has brought about this condition of things, and it leads one to wonder, on the other hand, how much greater the losses would have been, if all the books of the library had been placed on open shelves, as so many libraries throughout the country have done, with some obvious reservations. A precaution with regard to the care of the valuable collection of books in the Local History room was taken, last fall, by placing a gate at the head of the stairs leading to the room, on which a placard states that the room can be used only by obtaining permission of the librarian and by registering with the assistant in charge below. With regard to the care of the books in the main delivery room and in the children's room, it seems now desirable to make some provision for more adequate protection, but librarians everywhere are puzzled as to the best methods to pursue.

STAFF.

During the long period of sixteen months there have been few changes in the staff. For three months and a half at the beginning of this period Miss Theresa L. Burke acted as reference librarian, before the appointment of a successor to Miss L. Edna Brooks, who died November 28, 1907. On March 19, 1908, Miss Ruth A. Sibley began service as reference librarian, a position to which she was appointed the previous month. She is a graduate of Tufts College, in 1906, and of the library school of Simmons College, in 1907; she was librarian of the Leicester Public Library in the summer of 1907, and assistant librarian of the art department of Wellesley College in 1907 and 1908 to the time of her present appointment, which she has since so acceptably filled.

In the resignation of Miss Harriet D. Lochman, by reason of continued illness and after a considerable leave of absence granted by the trustees, the library was obliged to lose, in August, 1908, one of its most experienced and efficient assistants. During the last ten of her thirteen years of continuous service Miss Lochman was in charge of the main delivery desk, and much credit is due her for the successful conduct of this most important department of the library in the eyes of the general public.

In September, 1908, Miss Mary Ford, after an excellent service of one year as substitute assistant, chiefly at the main delivery desk,

during the absence of Miss Lochman, became a regular assistant. To Miss Lochman's place was promoted Miss Burke, in whose charge, with the able support of Miss Ford, the circulating department is now well administered. In October following, Miss Katharine A. Linehan succeeded Miss Olive Telford as Sunday attendant in the children's room, having also served as a substitute assistant since January, 1908.

FIFTIETH ANNIVERSARY CELEBRATION.

An important event in the history of the library was the celebration of the fiftieth anniversary of its establishment, on Wednesday evening, April 1, 1908. On that day, 1858, John Sargent, Mayor of Cambridge, signed a deed by which the city came into possession of the property of the private library of the Cambridge Athenæum. Exercises befitting the occasion were held in the delivery room and the adjoining reference room of the library building, which had been prepared under the direction of a committee of arrangements, consisting of Messrs. Edward C. Wheeler, chairman, Albert M. Barnes, John Buckley, and Dr. Eugene A. McCarthy, president of the board. The program consisted of six addresses, which are summarized below, with the list of speakers in their order, and music, in three groups of selections, by the Octavo Choral Club of Boston. After the exercises an informal reception was held in the children's room, under the special charge of Mr. Wheeler. In aid of the celebration the City Council granted a special appropriation of two hundred dollars, the trustees bore the expense of the entertainment in the children's room, and the members of the Octavo Choral Club made a voluntary offer of their services.

HISTORY OF THE LIBRARY.

The publication, in July, 1908, of the "History of the Cambridge Public Library" was a fitting sequel to the celebration of the fiftieth anniversary of its establishment. The compilers were Dr. William J. Rolfe, in behalf of the board of trustees, and the librarian. The book contains ninety-six pages, of which the historical sketch takes fifty pages, the addresses delivered at the anniversary celebration twenty-five pages, and the appendixes twenty-one. The illustrations, including the circulation chart, were reprinted from the annual report of the previous year. In the preparation of this work Dr. Rolfe gave the best part of two months' time, and the library is fortunate in having for chief compiler of its history a trustee who has known it so long and so well. The part relating to the library down to the occupancy of the present building in 1889 is based upon an earlier historical sketch

printed in 1891, portions of the latter being incorporated with little or no alteration. The conspicuous event in the history of the library is, as it always will be, the gift of the present building by the late Frederick H. Rindge.

Of the six addresses that formed the program of the anniversary celebration, that of Mayor Walter C. Wardwell came first, dwelling with emphasis upon the need of a "fund of such size that the board of trustees may be able to carry out their laudable ambitions." The chief address of the evening, which came next, was most fittingly given by Colonel Thomas Wentworth Higginson, describing, in some detail, the earlier conditions of the library with which he had been so intimately associated for fourteen years as trustee; that of Mr. William C. Bates, superintendent of schools, touched upon points of contact between the library and the schools, showing the importance of their co-operation; that of Mr. Sam Walter Foss, librarian of the Somerville Public Library, took the form chiefly of a humorous poem, entitled "The Old and the New Librarian"; that of Mr. Horace G. Wadlin, librarian of the Boston Public Library, emphasized the importance of the public library to every community; and last, that of Ex-Mayor and Ex-Trustee Augustine J. Daly, made a plea for a wider extension of the field of library work to include the use of the public school buildings. Especially noteworthy and appropriate were the introductions to each of the speakers, which were given by the president of the board, Dr. Eugene A. McCarthy.

The appendixes, prepared by the librarian, include a revision of the "Rules for the Use of the Library," the "Rules for the Board of Trustees," schedules of the annual appropriations, funds of the trustees, and number of books in the library, a circulation chart, and lists of the trustees, librarians, and members of the staff. The above sets of Rules were also printed separately in two pamphlets, the first for the use of the general public, and both together for the trustees.

THE ROLFE BIBLIOGRAPHY.

An important work, which was begun late in the previous fiscal year and mentioned in the last annual report, was issued on December 10, 1907, entitled "A Bibliography of William James Rolfe," on the occasion of his eightieth birthday, and in recognition of the literary life and work of one of the most distinguished of the library trustees. The library was fortunate in having this opportunity to do Dr. Rolfe such a service, which has chanced to come within a year after a similar service rendered to a former trustee and life-long friend of his, Colonel

Thomas Wentworth Higginson. The pamphlet extends to forty pages, and is printed in the same form as the monthly Bulletin and in a separate edition of eight hundred copies.

THE BULLETIN AND ITS LISTS.

Important action with regard to the publication of the monthly Bulletin went into effect with the issue of January, 1909, which begins its fourteenth volume. The printing was then assigned by contract to Edward W. Wheeler, who was the lowest bidder. Its form was modified by an increase of one inch in length of page, by a reduction from twenty-four to sixteen pages for a regular issue, and by the omission of the issue for June, as well as for July and August, as heretofore; and a considerable saving was made in expense. In June, 1908, the regular issue of the Bulletin was interrupted by business complications of the printer, the regular issue for June was omitted, and a double number was prepared for September, its printer, P. H. Concannon, continuing the work on the Bulletin for the last three months of the calendar year.

During 1908 there was only one special reading list of books prepared for the Bulletin. Its topic was "Domestic Economy" and its issue came in November. In the first two months of 1909 appeared two important lists, one in the January issue, on "Edgar Allan Poe," in connection with the celebration of the centenary of his birth, January 19, 1909, and the other in February, on "Abraham Lincoln," for a similar centennial celebration, being issued in advance of Lincoln's birthday, February 12, 1909, and also in a separate edition of 1,000 copies, intended especially for the teachers of all the schools of the city.

GIFTS.

The offer, received in February, 1909, from the members of the family of the late Henry Oscar Houghton, of an annual gift of fifty dollars' worth of books from the list of the Houghton Mifflin Company at the prices therein named, has been acknowledged in the Report of the Trustees. This gift was duly accepted by the trustees in behalf of the public library, and provision will be made for a suitable inscription on the bookplate of all books purchased from this gift.

During all this long period of sixteen months only two gifts of books need mention in this connection, and both have come from trustees. In January, 1908, Dr. Rolfe gave to the library a valuable set of the Centennial edition of the works of Thomas Carlyle, in twenty-six volumes, for which he had himself written the introduction; and in

February following, Dr. McCarthy made a similar gift of a valuable set of the romances of Dumas, in an English translation, in forty volumes.

LOCAL STATIONS.

The local delivery has continued to decrease, as might be expected from the lack of new books to be obtained from the central library, and also from the increasing use of the traveling libraries, the figures of circulation being respectively 5,627 and 7,082, a loss of 1,455. As so often before, the station at Mr. Dow's drug store leads, by a large margin, with a count of 1,221, which is only a few less than the count of 1,254 of the last report. The stations on Lafayette square come next, with a total count of 868, of which Martin's station has 185, for the first two months of the fiscal year, and Orne's 683, for the next nine months. In May, 1908, Mr. Martin resigned his position as local agent, after a successful service of five years, in which Mrs. Martin had a full share. In June the station was transferred a few doors above, 427 Massachusetts avenue, to the Orne Pharmacy, under the charge of John Minon, who gave up the charge and the station in February, 1909, leaving that section without a station for a short interval to the end of the fiscal year. In single count Conley's station stands second, with 769. The lowest count of 69 comes from McGrath's station in the Mt. Auburn section, which is so low that only the better showing of 325 for the count of the traveling libraries at that station justifies its continuance.

DEPOSIT STATIONS.

The deposit stations bring a considerable increase of 421, in a comparison of totals of 2,635 and 2,214. The number of new stations during the whole period is nine. The Mothers' Club of the Houghton Kindergarten School, the Riverside Alliance, on Ballard Place, and the Sunday school of the Prospect Street Congregational Church were added early in 1908. The Young Men's Christian Association renewed its connection with the library about a year ago. Three additions came close together in December, 1908, through the co-operation of the management of the Y. M. C. A., the stations at the factories of the Boston Woven Hose and Rubber Company, and of the John P. Squire Company, and at the Polish Church settlement in East Cambridge. In January, 1909, a deposit station was established at Radcliffe College Library, designed to help fill a "browsing corner" of that library, in pursuance of a valuable suggestion advanced by Dr. John Billings, librarian of the New York City Public Library, in the course of his

address, last spring, at the dedication of the new Radcliffe College Library building. The latest stations to be added are the Citizens' Trade Association and the St. Mary's Catholic Association, near the end of the year, books for the latter not being sent until after its end. The lead in the count is held by the station at the Young Women's Christian Association, with 828 as the figure; the Riverside Alliance is second with a count of 368, and the new station at Squire's records a circulation of 183. The interest in this part of the library service has advanced steadily throughout the year, and gives promise of larger results during the coming year at nearly all the eighteen stations now placed.

As a further aid to this service and also to the extension of the influence of the library, two talks were given by the librarian during the past winter, one, on December 3, 1908, at the Margaret Fuller House, on "Some Ways of Using a Public Library," and the other on January 14, 1909, in the hall of the Young Women's Christian Association, on "Some Surprises in the Use of a Public Library."

TRAVELING LIBRARIES.

In face of the lack of a sufficient number of new books, the traveling libraries have done well, as the counts of 11,924 and 10,068 respectively show. Close after the count for the North Cambridge branch of 1,767 is Nelson's station, with 1,703; third is Orne's station (for nine months) with 1363; Dow's is next, with 1,022, and Conley's close, with 1,019. The lowest count for a regular station is at Murphy's, with only 57. Of the other special stations the Social Union leads with a count of 728. With a considerable replenishment of the older books most in demand, and a large addition of newer books, the results from this part of the service would come nearer to what the people have a right to expect.

EAST CAMBRIDGE BRANCH LIBRARY.

At the East Cambridge branch library extensive repairs were made last summer, under the supervision of Dr. McCarthy and Mr. Wheeler, the branch being closed from the 1st to the 22d of August. The ceiling and walls were repainted, a new floor laid, the furniture and fixtures renovated, and additional shelving provided on three sides of the room. The capacity for books was increased about one-third, and at an opportune time, the old shelves being nearly filled. The repairs have wrought a marked change in the appearance of this branch, which has been welcomed by all its patrons. The painting

was done under contract by Martin A. Feeley, and likewise the flooring and shelving by John Quin & Son, of the Otis Wood Works.

Notwithstanding the drain upon the supply of new books caused by these repairs, the branch has made a remarkable gain of 8,842 in its circulation, the totals being 55,741 and 46,899 for this and for the last report, with a further count of 21,738 for the intervening period of four months. In January of last year this branch added the traveling libraries to its regular service, the count for which is 947 for the fiscal year, and 132 for three months of the partial year. The greater attractiveness of the newly-furnished rooms has compensated largely for the lack of new books, and has caused its patrons to use the older books with all the more willingness and satisfaction. In Appendix I the statistics of circulation for both branches have been developed in greater detail than for any previous report.

NORTH CAMBRIDGE BRANCH LIBRARY.

The newer branch library in North Cambridge shows unmistakably its vigorous growth and the strong hold upon the community it has obtained by the large increase in circulation during the past year, the figures being respectively 65,290 and 50,326 for the two reports, a gratifying gain of 14,964, which is greater by 5,632 than that for the East Cambridge branch. This increase has been made possible through an adequate appropriation for books, the branch faring, in this respect, much better, in proportion, than the central library. The count for the four months' period was 21,669, which is only 69 less than that for the older branch stated above. The largest daily record of 501, for February 13, 1909, is nearly half that of the central library, which was 1,068. The circulation of the traveling libraries at this branch was 1,767 for the full year and 538 for the partial year, the former count being only five more than that of the previous full year.

This rapid growth in circulation and the preparation of a large number of new books have compelled the employment of the extra assistant, Miss Dorothea M. Gray, for nearly her whole time throughout the past year, a part of it being at the central library in the interest of the branch. The need of a regular assistant must be provided for during the coming year.

An interesting and attractive addition to the branch was made in June, 1908, by the purchase of eleven large photographs, the choice of subjects being as follows: The Roman Forum (new view), Stratford-on-Avon, St. Peter's and the Vatican, The Poet's Corner, Westminster

Abbey, St. Cecilia (by Della Robbia), Canterbury Cathedral, The Matterhorn, and the Church of Maria della Salute, in Venice (the two latter in color), and portraits of Longfellow, Lincoln and Napoleon. The full equipment for this branch, as well as for the older branch, will require several more pictures.

The constant demand for larger quarters promises to be satisfactorily met by the addition of the room in the rear heretofore used exclusively as a polling booth for the ward. This room is intended for the separate use of children, and will be eagerly welcomed by both children and adults, but it cannot be made ready until some special arrangement is made for the expense of its equipment. In furtherance of this addition Mr. John Buckley was most active in behalf of the trustees, and as their representative before the City Council.

CO-OPERATION WITH THE SCHOOLS.

The Public Library and the schools have continued the same form of co-operation in the annual visit of the pupils of the ninth grammar grade to the library for the purpose of special instruction in the use of cards and the card catalogue and of reference works, and for an inspection of the library building itself. Two series of visits were made during the past year, the first in April, as heretofore for three years, and the second in the fall, in order that the pupils of the ninth and for many their last grade might have opportunity for further instruction in the use of the library during the same year, and that the instruction might be enforced by practice in the schoolroom. This change was made by suggestion of the principals of the public grammar schools at the meeting in April of last year. The opportunity thus provided was given in March of this year, by the visits of Miss Hawkes, the children's librarian, to all the schools of the city, for a brief talk in the pupils' own classrooms on the care and handling of books.

The total count of circulation for the schools was 20,820 for the full year, which is 586 less than that of 21,406 for the previous year, a condition to be attributed, in part at least, to the lack of new books with which to replenish the regular stock of duplicates for this department. Among special counts the Roberts School again leads, with 2,726; the Harvard School is coming rapidly back again to its place at the front with the second count of 2,190; and the Putnam and Wellington Schools stand next and near together, with counts of 1,976 and 1,957 respectively. The circulation from the parochial schools shows a slight decrease of 134 from that of the previous report, the totals

for the four schools being respectively 1,753 and 1,887. The St. Mary's School, as being the largest, leads with a count of 855, as against 807 before, a gain of 48; the School of Notre Dame de la Pitié stands next with 396, a loss of 54; and the two other schools of St. Paul and St. Peter have also decreases to record.

RETROSPECT OF FIVE YEARS.

With the end of this fiscal year the librarian will have completed a term of five years in his present position, his duties having begun April 1, 1904. The growth of the library during this interval has been noteworthy and considerable, as the History, above described, has shown in detail. In 1903, the year before his coming, the total circulation of books was 172,155; for the fiscal year now ending it is 315,955, a gain of 143,664, or nearly one-half in a little more than five years. During his first year of service, he was especially interested in the establishment of the plan of traveling libraries, the introduction of the two-card system for all borrowers, the transfer to the children's room of all the juvenile books, the equipment of the local delivery room, the enlargement of the open shelf space for adults in the main delivery room, and the use of the outer Cambridge room for newspaper readers. In 1906 he adopted the Newark charging system for all departments of the service. The number of deposit stations has more than doubled, and a new branch library in North Cambridge has been established. For two years he has served also as curator of the Cambridge Historical Society, and as member of its council. Throughout the period of five years he has spent much time and thought upon the extension of the co-operation between the library and the schools. He has given talks on library matters, not only in the library and at the schools, but also in the rooms of the Douglas, now called the Iroquois Club, the Catholic Union, the St. John's Literary Institute, the Young Men's Christian Association, the Margaret Fuller House, and the Young Women's Christian Association. His collaboration with Dr. William J. Rolfe in the compilation of the History of the Cambridge Public Library has been mentioned above. It has, indeed, been the constant endeavor of the librarian to administer all the affairs of the library to the best of his knowledge and ability.

Respectfully submitted,

CLARENCE W. AYER,

Librarian.

APPENDIX I.

STATISTICS.

ADDITIONS OF BOOKS.

Total number of volumes in the library (including branches)			81,729
CENTRAL LIBRARY.			
Volumes in Central Library			75,011
Volumes added	December, 1907—March, 1908,	1,937	6,652
	April, 1908—March, 1909,	4,715	
Volumes recovered (reported lost 1906-1907)			51
Duplicate volumes transferred to branches			96
Volumes withdrawn (medical books)			163
United States government publications returned			249
Volumes condemned			1,667
Volumes destroyed on account of contagious diseases			15
Volumes missing			3,057
EAST CAMBRIDGE BRANCH.			
Volumes in East Cambridge Branch			2,952
Volumes added	December, 1907—March, 1908,	286	866
	April, 1908—March, 1909	580	
Transferred from Central Library			45
Volumes condemned			628
Volumes missing			31
NORTH CAMBRIDGE BRANCH.			
Volumes in North Cambridge Branch			3,766
Volumes added	December, 1907—March, 1908	352	2,210
	April, 1908—March, 1909	1,858	
Volumes transferred from Central Library			51
Volumes condemned			178
Volumes destroyed on account of contagious diseases			11
Volumes missing			4

CIRCULATION.

	Central Library Adult	Central Library Juvenile	East Camb. Branch	North Camb. Branch	Local and Deposit Stations	Traveling Libraries	Schools	Totals
Four months, 1907-8	42,665	13,440	21,738	21,669	2,812	2,628	777	105,729
First quarter, 1908	29,566	7,853	12,807	15,252	1,897	1,877	7,576	77,173
Second quarter, 1908	24,054	7,146	7,534	10,843	1,331	2,210	345*	53,118
Third quarter, 1908	32,412	9,724	17,462	19,217	1,670	3,230	4,823	88,538
Fourth quarter, 1909	33,377	9,786	17,938	19,978	3,364	4,607	8,076	97,126
Total, 1908-9	119,409	34,509	55,741	65,290	8,262	11,924	20,820	315,955

*Vacation and playgrounds.

CENTRAL LIBRARY: ADULT.

Average per day (fiscal year)	392
Largest issue, February 13, 1909	1,068
Smallest issue, June 24, 1908	161
Books from the stack used for reference	16,266

CENTRAL LIBRARY: JUVENILE.

Average per day	114
Largest issue, February 13, 1909	267
Smallest issue, September 10, 1908	51

CLASSIFIED CIRCULATION: CENTRAL LIBRARY, ADULT.

CLASSES	General	Philosophy	Religion	Sociology	Philology	Science	Useful Arts	Fine Arts	Literature	History and Description	Biography	Magazines	Fiction	Total
Circulation, 4 mos. ...	1,233	732	554	1,572	188	921	1,370	1,961	3,555	3,698	1,644	2,603	22,634	42,665
Per cent, 4 mos.....	.029	.017	.013	.037	.004	.022	.032	.046	.083	.087	.039	.061	.530	1.000
Circulation, 12 mos....	2,245	2,331	1,766	3,505	483	2,477	3,121	5,225	10,001	9,352	4,413	7,200	67,289	119,409
Per cent, 12 mos.	.019	.020	.015	.029	.004	.021	.026	.044	.084	.078	.037	.060	.563	1.000

CLASSIFIED CIRCULATION: CENTRAL LIBRARY, JUVENILE.

CLASSES	General	Philosophy	Religion	Sociology	Philology	Science	Useful Arts	Fine Arts	Literature	History and Description	Biography	Magazines	Fiction	Total
Circulation, 4 mos....	5	1	123	260		256	144	236	334	1,198	448	33	10,402	13,440
Per cent, 4 mos.....			.009	.019		.019	.011	.018	.025	.089	.033	.003	.774	1.000
Circulation, 12 mos. ..		8	350	740		687	387	457	828	2,970	1,019	133	26,930	34,509
Per cent, 12 mos.			.010	.022		.020	.011	.013	.024	.086	.030	.004	.780	1.000

EAST CAMBRIDGE BRANCH LIBRARY.

General circulation from branch (4 months)	21,738
General circulation from branch (fiscal year)	55,741
Local delivery through branch, tabulated on page 29 (4 months)	84
Local delivery through branch, tabulated on page 29 (fiscal year)	216
Traveling libraries, tabulated on page 29 (3 months)	132
Traveling libraries, tabulated on page 29 (fiscal year)	947
Average per day (fiscal year)	195
Largest issue, February 13, 1909	328
Smallest issue, August 28, 1908	48

CLASSIFIED CIRCULATION.

CLASSES	General	Philosophy	Religion	Sociology	Philology	Science	Useful Arts	Fine Arts	Literature	History and Description	Biography	Magazines	Fiction	Total
Total, 4 mos.....		13	60	318	2	487	1,159	309	1,902	3,577	1,375	1,162	11,374	21,738
Total, 12 mos.	46	48	392	1,321	128	2,008	3,182	996	5,226	8,496	3,146	2,559	28,193	55,741

NORTH CAMBRIDGE BRANCH LIBRARY.

General circulation from branch (4 months)	21,669
General circulation from branch (fiscal year)	65,290
Local delivery through branch, tabulated on page 29 (4 months)	247
Local delivery through branch, tabulated on page 29 (fiscal year)	487
Traveling libraries, tabulated on page 29 (4 months)	438
Traveling libraries, tabulated on page 29 (fiscal year)	1,767
Average per day (fiscal year)	219
Largest issue, February 23, 1909	501
Smallest issue, April 1, 1908	61

CLASSIFIED CIRCULATION.

CLASSES	General	Philosophy	Religion	Sociology	Philology	Science	Useful Arts	Fine Arts	Literature	History and Description	Biography	Magazines	Fiction	Total
Total, 4 mos.....	4	18	84	317	2	498	256	185	504	1,206	365	3,131	15,099	21,669
Total, 12 mos.	5	130	418	1,024	9	1,104	711	789	1,506	4,319	860	10,793	43,622	65,290

CLASSIFIED ADDITIONS OF BOOKS.

(A) CENTRAL LIBRARY.

(1) CITY APPROPRIATION.

CLASSES		General	Philosophy	Religion	Sociology	Philology	Science	Useful Arts	Fine Arts	Literature	History and Description	Biography	Fiction	Totals
Adult	New	181	29	67	166	10	58	120	101	155	209	125	228	1,449
	Dupl.	2	8	4	17	1	5	16	10	13	17	16	232	341
	Repl.		3		12		3	26	3	11	12	7	430	507
Juvenile	New			3	15		18	8	5	17	27	17	178	288
	Dupl.				9		1	1	5	3	3	18	131	171
	Repl			5	14		10	4	9	5	46	7	473	573
Schools	New				2		5		1	2	28	12	7	57
	Dupl.			6	12		9	8	4	14	43	35	51	182
	Repl.			14	20	1	48	6	4	15	120	14	77	319
Traveling Libraries	New	1	2	1	5		5	16	7	14	22	11	173	257
	Repl.												5	5
Totals		184	42	100	272	12	162	205	149	249	527	262	1,985	4,140

(2) FUNDS, GIFTS, ETC.

Citizens' Subscription Fund	1							2	3	11	2		19
Cummings Fund									15	8			23
Fay Fund						5		6		2			13
William E. Saunders Fund								1		(a) 15	(b) 27		43
James A. Woolson Fund.....								89			10		99
Gifts	28	22	35	62	1	5	26	25	19	40	36	45	344
Exchange	18		1	1			3			2			25
Totals	47	22	36	63	1	10	29	123	37	78	75	45	566

(a) Local History. (b) Genealogy.

(B) EAST CAMBRIDGE BRANCH LIBRARY.

CLASSES		General	Philosophy	Religion	Sociology	Philology	Science	Useful Arts	Fine Arts	Literature	History and Description	Biography	Fiction	Totals
Adult	New	74	3	2	5	9	5	26	8	4	13	7	72	228
	Dupl.												7	7
	Repl.				1				2	1	5	1	72	82
Juvenile	New				2		2	1	2	1	14	3	36	61
	Dupl.											2	4	6
	Repl.			4	4		11	2	2	1	29	7	119	179
Gifts.....				10	1		1	1		2			2	17
Totals.....		74	3	16	13	9	19	30	14	9	61	20	312	580

(C) NORTH CAMBRIDGE BRANCH LIBRARY.

CLASSES		General	Philosophy	Religion	Sociology	Philology	Science	Useful Arts	Fine Arts	Literature	History and Description	Biography	Fiction	Totals
Adult	New	10	6	22	58	10	43	53	36	109	183	74	463	1,067
	Dupl.						2						20	22
	Repl.							1	1				45	47
Juvenile	New			5	17	1	14	3	11	20	98	11	354	534
	Dupl.				1		2				2	1	47	53
	Repl.			1	2		1	5	1		8	5	86	109
Gifts.....		1		10	1			3	1	4	3		3	26
Totals		11	6	38	79	11	62	65	50	133	294	91	1,018	1,858

CIRCULATION THROUGH LOCAL AND DEPOSIT STATIONS.

(Including Traveling Libraries.)

CIRCULATION	Stations	Conley	Dow	E. Camb. Br.	Gove	Kidder	Lombard	McGrath	Martin	Murphy	Nelson	N. Camb. Br.	Orne	Phillips	Catholic Union	Prospect Union	Social Union	Deposit Stations	Total
Four Months (Dec., 1907 — Mar., 1908)	Local and Deposit	165	484	84	167	35	128	51	343	233	102	247		168			1	604	2,812
	Traveling Libraries	190	292	132	19	69	93	163	252	167	345	538		168	101	15	84		2,628
Total, 4 months		375	776	216	186	104	221	214	595	400	447	785		336	101	15	85	604	5,440
Twelve Months (April, 1908—Mar., 1909)	Local and Deposit	769	1,221	216	427	110	191	69	185	360	485	487	683	424				2,635	8,262
	Traveling Libraries	1,019	1,022	947	605	387	325	616	57	811	1,703	1,767	1,363	532	21	21	728		11,924
Total, 12 months		1,788	2,243	1,163	1,032	497	516	685	242	1,171	2,188	2,254	2,046	956	21	21	728		20,186

SCHOOL CIRCULATION.

Schools	Ellis	Fletcher	Harvard	Houghton	Kelley	Morse	Nt. Dame	Peabody	Putnam	R. M. T. S.	Roberts	Russell	St. Mary	St. Paul	St. Peter	Shepard	Sleeper	Taylor	Thorndike	Webster	Wellington	Vacation and Playgr'nds	Total
4 months		46	52		38				50	10	142	102	41		29	86	36	72	1		72		777
12 months	942	637	2,190	584	417	752	396	790	1,976	40	2,726	1,006	855	257	245	1,863	1,112	528	217	1,957	985	345	20,820

APPENDIX II.

CITY APPROPRIATION.

(A) For Four Months Ending March 31, 1909.

CENTRAL LIBRARY.

Salaries.

Appropriation		$3,749 80
Expended		3,749 62
Amount unexpended		$0 18

General Expenses.

Appropriation		$4,033 23

Expenditures.

Binding	$80 24	
Books and periodicals, general	1,747 65	
Books for schools	71 68	
Books for traveling libraries	6 25	
Bulletin	136 00	
Fuel	400 20	
Furniture	241 18	
Incidentals	212 43	
Lighting	345 81	
Local stations	256 50	
Printing, postage, and stationery	369 45	
Repairs	165 49	
		4,032 88
Amount unexpended		$0 35

EAST CAMBRIDGE BRANCH LIBRARY.

Salaries.

Appropriation		$320 43
Expended		320 03
Amount unexpended		$0 40

General Expenses.

Appropriation		$484 32

Expenditures.

Binding	$19 32	
Books and periodicals	341 43	
Furniture	29 45	
Incidentals	2 00	
Lighting	39 21	
Printing, postage, and stationery	45 45	
Repairs	7 30	
		484 16
Amount unexpended		$0 16

NORTH CAMBRIDGE BRANCH LIBRARY.

Salaries.

Appropriation	$363 15
Expended	353 41
Amount unexpended	$9 74

General Expenses.

Appropriation	$658 00

Expenditures.

Binding	$30 63	
Books and periodicals	518 94	
Incidentals	6 50	
Lighting	54 72	
Printing, postage and stationery	46 95	
		657 74
Amount unexpended		$0 26

(B) For Fiscal Year, April 1, 1908, to March 31, 1909.

CENTRAL LIBRARY.

Salaries.

Appropriation (by transfer increased $100 from $11,550)	$11,650 00
Expended	11,649 56
Amount unexpended	$0 44

General Expenses.

Appropriation (by transfer decreased $100 from $10,400)	$10,300 00

Expenditures.

Binding	$1,413 87	
Books, new	2,963 41	
Books for schools, New	251 32	
Books for traveling libraries, New	248 83	
Books replaced (schools 162.19; trav. lib. 4.60)	1,079 34	
Periodicals	753 10	
Bulletin	395 00	
Fuel	488 90	
Furniture	30 65	
Incidentals	414 57	
Insurance	180 00	
Lighting	658 13	
Local stations	808 08	
Printing, postage and stationery	423 89	
Repairs	190 32	
		10,299 41
Amount unexpended		$0 59

EAST CAMBRIDGE BRANCH LIBRARY.

Salaries.

Appropriation (by transfer decreased $75 from $1,039.50)	$964 50
Expended	964 39
Amount unexpended	$0 11

General Expenses.

Appropriation (by transfer increased $75 from $1,400)	$1,475 00

Expenditures.

Binding	$80 00	
Books, new	305 98	
Books replaced	221 55	
Periodicals	125 58	
Furniture		
Incidentals	42 67	
Lighting	88 01	
Printing, postage and stationery	58 40	
Repairs	510 65	
		1,474 84
Amount unexpended		$0 16

NORTH CAMBRIDGE BRANCH LIBRARY.

Salaries.

Appropriation (by transfer increased $110 from $1,110.50)	$1,220 50
Expended	1,220 20
Amount unexpended	$0 30

General Expenses.

Appropriation (by transfer decreased $110 from $2,500)	$2,390 00

Expenditures.

Binding	$135 18	
Books, new	1,527 82	
Books replaced	109 27	
Periodicals	174 73	
Furniture	5 00	
Incidentals	139 92	
Insurance	48 00	
Lighting	130 08	
Printing, postage and stationery	104 52	
Repairs	15 30	
		2,389 82
Amount unexpended		$0 18

APPENDIX III.

ACCOUNT OF THE TREASURER OF THE BOARD OF TRUSTEES.

(A) FUNDS.

CITIZENS' SUBSCRIPTION FUND.

Balance, December 9, 1907		$52 20
Interest on daily balance		2 25
Interest on bonds		220 00
Cash gifts credited to this fund		64 80
		$339 25

Expenditures.

T. H. Castor & Co.	$18 33	
W. B. Clarke Co.	5 00	
Cunningham Bros.	25 00	
Little, Brown & Co.	124 50	
George E. Littlefield	40 50	
Alfred Mudge & Son	122 10	
		335 43
Balance on hand, March 26, 1909		$3 82

CUMMINGS FUND.

Balance, December 9, 1907		$11 15
Interest on bond		120 00
		$131 15

Expenditures.

W. B. Clarke Co.	$40 00	
Little, Brown & Co.	40 50	
Old Corner Book Store	47 70	
		128 20
Balance on hand, March 26, 1909		$2 95

FAY FUND.

Balance, December 9, 1907		$13 37
Interest on bond		52 50
		$65 87

Expenditures.

Boston Athenæum	$4 50	
Little, Brown & Co.	30 15	
Old Corner Book Store	15 75	
William J. Rolfe	7 50	
		57 90
Balance on hand, March 26, 1909		$7 97

WILLIAM E. SAUNDERS FUND.

Balance, December 9, 1907			$5 48
Interest on bonds			145 00
Interest on savings bank deposits			23 98
			$274 46

Expenditures.

Boston Book Co.	$7 50		
Essex Antiquarian	1 50		
Essex Institute	4 00		
Lewis Hirst Publishing Co.	25 00		
Little, Brown & Co.	1 67		
George E. Littlefield	112 65		
J. H. H. McNamee Co.	49 39		
Mass. Historical Society	3 00		
Mass. Magazine	4 50		
Mass. Society of Mayflower Descendants	2 00		
Medford Historical Society	1 00		
New-England Historic Genealogical Society	18 00		
Charles H. Pope	10 00		
Charles N. Sinnett	2 50		
Somerville Historical Society	1 00		
C. W. Tibbetts	6 00		
		$249 71	
Interest on savings bank deposits addition to principal		23 98	
			273 69
Balance on hand, March 26, 1909			$0 77

JAMES A. WOOLSON FUND.

Balance, December 9, 1907			$20 54
Interest on bond			175 00
			$195 54

Expenditures.

Thomas J. Donlan		$7 64	
J. H. H. McNamee Co.		39 95	
Old Corner Book Store		17 26	
Oliver Ditson Co.		129 58	
			194 43
Balance on hand, March 26, 1909			$1 11

The principals of the above funds are as follows:

Citizens' Subscription Fund	$5,500 00
Cummings Fund	2,000 00
Fay Fund	1,000 00
William E. Saunders Fund	7,433 52
James A. Woolson Fund	5,000 00
	$20,933 52

(B) FINES.

Fines and other moneys received and deposited with the City Treasurer	$1,177 86

WILLIAM TAGGARD PIPER,
Treasurer.

REPORT OF THE SUPERINTENDENT OF STREETS.

To the Honorable, the City Council:—

GENTLEMEN:—In accordance with an order of the City Council the Superintendent of Streets begs to submit his report for the period beginning December 1, 1907, and ending March 31, 1908, the new fiscal year beginning April 1, 1908.

The standard appropriations for the period are the regular one-twelfths appropriated each month together with such additional sums as were necessary to carry on our work.

As these four months were in the winter season and the balances of the construction accounts were carried over into the new fiscal year, no account of the construction work is given here. This will be found in the report for the fiscal year ending March 31, 1909. The regular work of the Department was carried on and a classification of the expenditures is appended to each of the appropriations.

CLASSIFICATION OF EXPENDITURES.

December 1, 1907, to April 1, 1908.

BRIDGES.

Appropriation		$2,512 42
Pay-roll, drawtenders	$1,593 78	
Labor, First Street Bridge	10 75	
Labor, Sixth Street Bridge	10 00	
Labor, Walden Street Bridge	10 75	
Labor, Huron Avenue Railroad Bridge	10 00	
Repairs, First Street Bridge	73 01	
Repairs, Third Street Bridge	14 74	
Repairs, Sixth Street Bridge	18 30	
Repairs, Walden Street Bridge	3 02	
Repairs, Huron Avenue Railroad Bridge	3 01	
Total expenditure		1,747 36
Balance unexpended		$765 06

REBUILDING FIRST STREET BRIDGE.

December 1, 1907, to April 1, 1908.

Appropriation		$10,000 00
Pay-roll	$86 50	
Sundries	16 25	
Total expenditure		102 75
Balance unexpended		$9,897 25

INCINERATOR PLANT.

December 1, 1907, to April 1, 1908.

Appropriation		$29,613 91
Pay-roll	$390 13	
Gravel and freight	28 13	
Sundries	75 00	
Contract—Adolph Kern	12,210 00	
Total expenditure		**12,703 26**
Balance unexpended		**$16,910 65**

COLLECTION OF ASHES.

December 1, 1907, to April 1, 1908.

Appropriation		$14,486 16
Pay-roll	$11,433 47	
Teaming	37 50	
Hay	787 59	
Grain	951 00	
Straw	26 78	
Hardware, tools, etc.	4 65	
Harnesses, repairs, etc.	53 30	
Wagon repairs	97 50	
Horseshoeing and stock	3 25	
Total expenditure		**13,395 04**
Balance unexpended		**$1,091 12**

STREET CLEANING.

December 1, 1907, to April 1, 1908.

Appropriation		$12,328 21
Pay-roll, general	$1,211 93	
Pay-roll, section men	4,093 00	
Teaming	263 13	
Hay	62 52	
Grain	312 00	
Hardware, tools, etc.	99 54	
Refilling machine sweeper brooms	132 00	
Machine sweeper repairs	49 17	
New equipment	108 00	
Total expenditure		**6,331 29**
Balance unexpended		**$5,996 92**

SNOW REMOVAL.

December 1, 1907, to March 31, 1908.

Appropriation		$5,000 00
Pay-roll, general	$2,777 97	
Pay-roll, schoolhouse work	630 25	
Pay-roll, section men	852 25	
Hay	36 50	
Grain	192 50	
Hardware, tools, etc.	322 70	
Total expenditure		4,812 17
Balance unexpended		$187 83

EDGESTONES AND SIDEWALKS.

December 1, 1907, to April 1, 1908.

Appropriation		$8,831 51
Hardware, tools, etc.	$103 02	
Bricks	38 10	
Edgestone	149 49	
Gutter stone	233 80	
Gravel and freight	13 30	
Rebates on artificial stone sidewalks	320 85	
Total expenditure		858 56
Balance unexpended		$7,972 95

CROSSINGS.

December 1, 1907, to April 1, 1908.

Appropriation		$887 42
Pay-roll	$111 50	
Total expenditure		111 50
Balance unexpended		$775 92

SIDEWALK REPAIRS.

December 1, 1907, to April 1, 1908.

Appropriation		$1,831 60
Pay-roll	$20 72	
Total expenditure		$20 72
Balance unexpended		$1,810 88

MAINTENANCE—GENERAL.

December 1, 1907, to April 1, 1908.

Appropriation		$27,625 18
Pay-roll, fixed charges	$5,887 02	
Pay-roll, street work	8,276 55	
Teaming	25 00	
Hay	1,164 39	
Grain	1,263 00	
Straw	62 45	
Hardware, tools, etc.	226 50	
Harnesses, repairs, etc.	358 52	
Horseshoeing, stock and tools	133 98	
Steam rollers, repairs and supplies	363 35	
Stone crushers, repairs and supplies	311 41	
Field stone	5,765 89	
Crushed stone	1,001 57	
Gravel and freight	182 12	
Fuel	695 69	
Street signs	29 47	
Lighting	263 51	
Telephones and office supplies	308 65	
Additions and repairs, etc., yards and stables	256 01	
Carriage and wagon repairs	41 74	
Painters' supplies	115 53	
Stable supplies	160 98	
Sundries	44 22	
Cement	72 71	
Total expenditure		27,010 26
Balance unexpended		$614 92

STREET WATERING.

December 1, 1907, to April 1, 1908.

Appropriation		$10,430 37
Pay-roll, general	$1,323 91	
Pay-roll, clerical work	16 76	
Salary of foreman	400 00	
Watering carts, renewals and repairs	947 76	
Sundries	25 00	
Special road treatment	300 00	
Total expenditure		3,013 43
Balance unexpended		$7,416 94

MAINTENANCE—SALARIES.

December 1, 1907, to April 1, 1908.

Appropriation		$2,287 00
Salary of Superintendent	$791 66	
Salary of Chief Clerk	351 66	
Office clerks	452 00	
Yard clerks	492 00	
Other clerks	51 00	
Total expenditure		2,138 32
Balance unexpended		$148 68

SOMERVILLE AVENUE.

Appropriation		$1,250 34
Pay-roll	$386 18	
Teaming	76 66	
Gravel and freight	67 09	
Granite blocks	712 92	
Total expenditure		1,242 85
Balance unexpended		$7 49

This amount was expended for paving Somerville Avenue from the long crossing adjoining Massachusetts Avenue and the easterly side of White Street. The triangular area which had formerly been macadamized and had given the Department a great deal of trouble, is now paved with first-class granite blocks and is in first-class condition.

ALLSTON STREET AND OTHERS.

December 1, 1907, to March 31, 1908.

Appropriation		$1,471 62
Pay-roll	$279 82	
Teaming	7 50	
Gravel and freight	237 75	
Total expenditure		525 07
Balance unexpended		$946 55

REBUILDING CAMBRIDGE STREET.

December 1, 1907, to March 31, 1908.

Appropriation		$1,181 45
Pay-roll	$294 79	
Teaming	35 00	
Gravel and freight	194 70	
Total expenditure		524 49
Balance unexpended		$656 96

REBUILDING HAMPSHIRE STREET.

December 1, 1907, to March 31, 1908.

Appropriation		**$470 02**
Pay-roll	$91 62	
Teaming	12 50	
Total expenditure		**104 12**
Balance unexpended		**$365 90**

CONSTRUCTION OF HOUGHTON STREET AND OTHERS.

December 1, 1907, to March 31, 1908.

Appropriation		**$1,822 93**
Pay-roll	$935 50	
Teaming	92 50	
Hay	36 20	
Straw	65 92	
Gravel and freight	47 60	
Granite blocks	270 00	
Edgestone	10 50	
Total expenditure		**1,458 22**
Balance unexpended		**$364 71**

PERMITS.

OPENING PERMITS.

Boston Elevated Railroad Company	4	
Cambridge Gas Light Company	98	
Cambridge Electric Light Company	28	
New England Telephone and Telegraph Company	6	
Sewer Department	3	
Water Department	2	
Charles River Basin Commission	1	
Drain layers	46	
Miscellaneous	3	
Total issued		191

OBSTRUCTION PERMITS.

Dust removing wagons	5	
Tar kettle contractors	15	
Miscellaneous	121	
Total issued		141
Loads exceeding 15 tons	2	
Moving buildings through public streets	1	
Board walks	26	
		29
Grand total		361

Respectfully submitted,

GEO. M. CLUKAS,

Superintendent of Streets.

To the Honorable, the City Council:—

GENTLEMEN:—In accordance with the requirements of the City Ordinances, the annual report of the Superintendent of Streets for the year ending March 31, 1909, is herewith submitted.

The standard appropriations of the Department are first treated and are followed by the special appropriations.

BRIDGES.

Appropriation		$6,200 00
Pay-roll, drawtenders	$4,725 84	
Labor, First Street Bridge	5 99	
Labor, Third Street Bridge	9 98	
Labor, Sixth Street Bridge	115 84	
Labor, Walden Street Bridge	24 53	
Labor, Wellington Street Bridge	3 00	
Labor, Huron Avenue Railroad Bridge	15 03	
Labor, Huron Avenue Pipeway Bridge	10 50	
Repairs, First Street Bridge	80 87	
Repairs, Third Street Bridge	37 71	
Repairs, Sixth Street Bridge	248 75	
Repairs, Walden Street Bridge	83 70	
Repairs, Huron Avenue Railroad Bridge	14 11	
Repairs, Huron Avenue Pipeway Bridge	14 11	
Repairs, Mt. Auburn Street Bridge	8 85	
		5,398 81
Balance		$801 19
Transferred to Street Watering		800 00
Balance		$1 19

REBUILDING FIRST STREET BRIDGE.

Amount reappropriated in April, 1908		$9,897 25
Pay-roll	$346 07	
Teaming	37 50	
Hardware, tools, etc.	2 89	
Sundries	21 00	
Contract, Cahill Construction Company	7,723 99	
Temporary foot bridge	275 00	
Erection, rental and removal of derrick	241 08	
Repairs on granolithic sidewalks	160 10	
		8,807 63
Balance		$1,089 62

REBUILDING THIRD STREET BRIDGE.

Appropriation		$7,000 00
Pay-roll	$484 63	
Granite blocks	15 40	
Sewer work	12 83	
Contract, William L. Miller	6,064 49	
Motors	400 00	
		6,977 35
Balance		$22 65

As the First and Third Street Bridges over the Broad Canal were entirely reconstructed during the past year under separate appropriations, nothing has been done out of the above account except the ordinary planking and general repairs to the bridges. The reconstruction of the various bridges was done under the direction of the City Engineer, and I submit the following report made by him.

COMMERCIAL AVENUE BRIDGE.

This bridge, reported last year as being under construction, was completed and accepted September 11, 1908.

As the grading of Commercial Avenue has never been completed, nor the paving placed, the bridge has never been opened for travel. This work should be completed the coming season.

The amounts expended in the construction of this bridge are as follows:

Piles and foundations, Hugh Farrell, contractor, contract completed June 25, 1908, amount paid	$22,635 56
Superstructure, Scherzer Rolling Lift Bridge Company, plans, etc.	1,800 00
Boston Bridge Works, Inc., Steel work, etc., contract completed September 11, 1908	26,211 91
Miscellaneous expenses, inspection, etc.	2,184 58
Cost	$52,832 05
Amount appropriated	55,000 00
Balance unexpended	$2,167 95

FIRST STREET BRIDGE.

In accordance with the recommendation made in 1907 that this bridge be rebuilt, an order was passed authorizing the work in the early part of 1908. Plans were prepared and a contract made with

the Cahill Construction Company of Boston to do the work, which was completed July 6, 1908.

The entire bridge and nearly all the piles were removed and a new structure put in the place of the old one. While this was being done, foot travel across the canal was maintained by a temporary foot-bridge, suspended from a large boom derrick which could be swung around to allow the passage of vessels in the canal.

THIRD STREET BRIDGE.

A careful examination of the bridge showed that it was in very poor condition. Many of the piles and timbers were badly decayed and worn out so that the structure was not worth putting in repair. It was concluded to rebuild the entire structure with new piles and rebuild a large part of the seawall on the southerly side of the canal, which for many years had been falling in, and was in very bad condition.

A contract was made with William L. Miller to do this work, which was completed September 23, 1908.

SIXTH STREET BRIDGE.

This bridge urgently needs a thorough overhauling, especially the northerly portion. Many of the timbers have become badly decayed and the planking under the top planking is in very bad condition.

I renew the recommendation of last year that the work be undertaken at once.

OTHER BRIDGES.

The various other bridges in the care of the city are in fairly good condition and will need only minor repairs, painting, replanking, and so forth.

INCINERATOR—MAINTENANCE.

Appropriation		$4,000 00
Pay-roll	$3,634 38	
Furnace and engine supplies	152 37	
Lighting	16 50	
Hardware, tools, etc.	146 13	
Sundries	23 92	
Additions and repairs	24 84	
		3,998 14
Balance		$1 86

The above amount was expended in operating the Incinerator from May 1, 1908, to the end of the present financial year. The plant has been running with only one set of men eight hours a day and has consumed from one hundred and fifty to one hundred and eighty loads of light refuse per week.

It has been a great benefit to manufacturers in the eastern part of the city, who have been enabled to dispose of their rubbish without any annoyance to the public.

Some little revenue has been obtained by the sale of bottles and junk and two carloads of tin cans have been shipped to New York. No revenue has been obtained as yet from the steam power produced there daily, and I respectfully recommend that this subject be specially investigated in order that the proper revenue may be received.

INCINERATOR PLANT.

Amount reappropriated April, 1908		$16,910 65
Pay-roll	$590 96	
Teaming	41 00	
Sundries	80 51	
Contract, Adolph Kern	14,815 00	
Water supply	195 03	
Sewer work	126 25	
Test and report	250 00	
		16,098 75
Balance		$811 90

As a result of the investigation into the methods of disposing of light refuse by the Joint Standing Committee on Highways of 1906 and of a similar one in 1907, an appropriation of $30,000 was made by the City Government of the latter year for the construction of an incinerator to be located on a lot owned by the City on Main Street near Sixth Street.

The plant was completed and turned over to the City in the early part of May, 1908, and consists of a brick building, steel trussed, and slate roof, and contains two stories. On the lower floor is located the furnace, boilers, office, sanitaries and lockers for the men. The upper floor, which is 50 feet by 38 feet, is reached by a long incline, over which the carts are driven, and in which there is ample room to deposit and store material if necessary. This floor contains four charging holes, which lead to the furnace, each of which may be operated separately.

The material is dumped to push into these openings and consumed at once. A Stirling boiler of 200 H. P. capacity produces

steam power which may be made available in a number of ways. There is no offensive smell or smoke issuing from the plant, as the stack is 125 feet high and all the gases are consumed before the smoke enters the stack.

The unexpended balance may be used in building a fence around the lot and making drain connections with the roof conductors.

COLLECTION OF ASHES.

Appropriation		$37,500 00
Transferred from Boston Bridges, Expenses		2,000 00
Additional appropriation, March, 1909		700 00
Total appropriation		$40,200 00
Pay-roll	$32,019 93	
Teaming	117 00	
Hay	1,730 18	
Grain	2,812 20	
Straw	109 58	
Hardware, tools, etc.	11 32	
Harnesses, repairs, etc.	253 06	
Wagon repairs	179 77	
Painters' supplies	66 40	
Horseshoeing and stock	93 98	
New equipment	1,530 64	
Sundries	28 30	
Salary of foreman	1,200 00	
		40,152 36
Balance		$47 64

Upon the completion of the incinerating plant early in May, a change was made in the method of collection of ashes. It has formerly been the custom to dump all the refuse collected into one cart and haul it to the dump. We now have seven paper carts, built in our own shops from patterns obtained in New York of the style of carts used there, holding four and one-half cubic yards each, which go over the route ahead of the regular ash carts, removing the light refuse wherever it is separated from the ashes. This light refuse is carted to the incinerator and destroyed except in cases where the haul is too long or where the dump is deep enough so that it can be disposed of without creating a nuisance. The heavy barrels containing ashes are gathered by the regular ash carts and taken to the dumps. The scarcity of dumps throughout the eastern part of the city has made this work exceedingly expensive and unless some method can be devised for disposing of the solid ashes there seems every reason to believe that the cost of this work will increase.

The construction of large apartment houses throughout the city makes it necessary that two collections be made each week during the winter season, as very few of the apartment houses have storage capacity or barrels enough to take care of all the ashes they make during the week on any one day.

Complaints are continually being received in relation to the nuisance of papers on the dumps blowing about the surrounding streets. This can only be avoided by increasing the number of hours of operation at the incinerating plant, and I shall recommend in the budget for the coming year an amount sufficient to run the plant at least sixteen hours a day.

STREET CLEANING.

Appropriation		$42,000 00
Pay-roll, general	$14,197 84	
Pay-roll, section men	13,039 75	
Pay-roll, night sweepers	3,156 25	
Teaming	4,596 38	
Hay	779 73	
Grain	468 00	
Straw	179 87	
Hardware, tools, etc.	259 90	
Refilling machine sweeper brooms	180 00	
Machine sweeper repairs	59 63	
New equipment	19 36	
	36,936 71	
Snow removal	5,062 48	
		41,999 19
Balance		$ 81

SNOW REMOVAL.*

December, 1908, to March, 1909.

Appropriation		$5,062 48
Pay-roll, general	$2,475 60	
Pay-roll, schoolhouse work	476 12	
Pay-roll, section men	1,946 75	
Teaming	24 00	
Hay	32 81	
Hardware, tools, etc.	93 70	
Salt	13 50	
		5,062 48

*Included in the Street Cleaning appropriation.

During the past year a little over twenty thousand yards of permanent pavement has been laid, requiring daily cleaning. The amount

expended for Snow Removal has been included in the general appropriation for the current financial year, although a separate classification of expenditures is herewith submitted. The condition of the streets as far as cleanliness is concerned could be greatly improved by a more general observance of the ordinance forbidding the throwing of waste paper and other litter into the streets, and I recommend a more vigorous enforcement of the ordinance be seriously considered.

EDGESTONES AND SIDEWALKS.

Appropriation		$20,000 00
Additional appropriation, February, 1909		400 00
		$20,400 00
Pay-roll	$7,194 94	
Teaming	960 37	
Hay	34 54	
Grain	156 00	
Hardware, tools, etc.	152 77	
Granite flagging	138 56	
Bricks	2,291 97	
Edgestone	5,012 93	
Gutter stone	729 96	
Gravel and freight	1,122 01	
New artificial sidewalks	845 20	
Rebates, art. stone sidewalks	1,318 38	
Lighting	62 06	
Sundries	42 08	
Granite blocks	273 50	
		20,335 27
Balance		$64 73

The usual work of laying brick sidewalks and setting new edgestones with granite block gutters has been done out of this appropriation. An unusually large number of artificial stone sidewalks have been laid, some through direct order of the City Council and a greater number by the house owners themselves.

All artificial stone sidewalk work is done by contract through this Department, and is guaranteed for a period of five years. This is, without doubt, the best form of sidewalk that can be laid, as the maintenance cost after the five-year period is up is very light.

CROSSINGS.

Appropriation		$2,500 00
Pay-roll	$1,196 35	
Teaming	162 00	
Hardware, tools, etc.	80	
Granite flagging	1,022 82	
Gravel and freight	48 69	
Sundries	6 10	
Bitulithic pavement	63 00	
		2,499 76
Balance		$ 24

Nearly all the above amount was expended replacing old cobblestone crossings with new flagging and granite blocks.

No vitrified brick crossings were laid during the year, although there are a number of intersections where they are badly needed.

SIDEWALK REPAIRS.

Appropriation		$5,000 00
Pay-roll	$4,202 15	
Teaming	416 00	
Hay	34 13	
Grain	156 00	
Bricks	20 26	
Cement	41 25	
Gravel and freight	75 36	
Lighting	5 30	
Repairs, art. stone sidewalks	44 40	
Sundries	4 96	
		4,999 81
Balance		$ 19

This amount has been expended in resetting edgestones and relaying brick sidewalks. The amount asked for in the budget was $20,000. Complaints as to the condition of our sidewalks are becoming more numerous every year. Very many of the sidewalks have been laid for years and have had no repairs whatever. The action of the frost and their being dug up for various purposes have left them uneven, rough, and in many cases dangerous to public travel.

I particularly desire to call attention to the necessity of providing an additional amount this year for the purpose of relaying brick sidewalks where the Park Department have removed trees. The Superintendent of Parks informs me that there are a large number of trees throughout the city that must be removed. Very many of these are trees with large trunks and the excavation in the sidewalk is deep and wide.

Some special provision should be made so that they may be promptly taken care of.

MAINTENANCE—GENERAL.

Appropriation		$75,000 00
Transfer from Park Dept. for horse board		396 00
Total appropriation		$75,396 00
Pay-roll, fixed charges	$19,732 60	
Pay-roll, street work	24,444 62	
Teaming	2,724 50	
Hay	1,685 39	
Grain	3,761 45	
Straw	226 69	
Hardware, tools, etc.	584 45	
Harnesses, repairs, etc.	520 97	
Horse shoeing, stock and tools	402 17	
Steam rollers, repairs and supplies	3,503 30	
Stone crushers, repairs and supplies	151 82	
Field stone	1,566 54	
Crushed stone	10,038 32	
Gravel and freight	201 14	
Fuel	1,703 25	
Street signs	218 95	
Lighting	676 83	
Telephones and office supplies	450 99	
Additions, repairs, etc., yards and stables	201 14	
Horses	575 00	
New equipment	48 29	
Carriage and wagon repairs	476 96	
Painter's supplies	288 64	
Stable supplies	247 58	
Sundries	288 08	
Special road treatment	676 22	
		75,395 94
Balance		$ 06

For the first time in a number of years the appropriation for Maintenance, which means not only the care and repair of the streets, but the maintenance of the entire Department as well, was increased to $75,000. As a consequence we were enabled during the year to do more macadamizing and repairing on the streets than has ever been done out of the appropriation before. It will be seen that practically $43,000 worth of actual work on the streets was done and the general improvement was marked. If such an amount or even a greater one can be appropriated annually for the next few years, our residential streets in particular might be gotten into first-class condition, as the main thoroughfares have, most of them, been permanently constructed during the past five or six years out of special appropriations, and their maintenance charges will be very light for some time to come.

The following table of streets laid out and accepted during the financial year, all of which have been completely constructed throughout, shows that we have added almost three-fifths of a mile of roadway to be watered, cleaned and cared for in the future.

LIST OF STREETS LAID OUT AND ACCEPTED, DECEMBER 1ST, 1907, TO MARCH 31ST, 1909.

Location of Street.						Plan	
Street	From	To	Length in Feet	Width in Feet	Date of Acceptance	Made by	Date
Binney Street	Third Street	Ninth Street	1,594.60	50	Jan. 2nd, 1908	Wm. A. Mason	Oct. 5th, 1907
Bowdoin Street	Hudson Street	Northerly	245.	40	Jan. 2nd, 1908	Chas. Morton	Nov. 12th, 1883
Manassas Avenue	Concord Avenue	Huron Avenue	511.31	24	Jan. 2nd, 1908	Wm. A. Mason	June 6th, 1907
Phillips Place	Garden Street	Berkeley Street	253.91	35	Jan. 2nd, 1908	Wm A. Mason	Aug. 10th, 1907
Tenney Street	Orchard Street	Somerville Line	372.	24	Jan. 2nd, 1908	Chester A. Garfield	Sept. 15th, 1906
Total			2,976.82				

RESURFACING DISTRICT I.

STREETS	Labor	Teaming	Steam Roller	Crushed Stone	Gravel	Total	Square Yards
Allston, between Magazine St. and Sidney St	$198 25	$310 00	$112 00	$562 50	$32 00	$1,214 75	3,343
Auburn, between Western Ave. and Magazine St	80 25	162 00	49 00	240 00	14 00	545 25	981
Austin, between Columbia St. and Essex St	164 25	219 50	119 00	572 50	14 00	1,089 25	2,777
Bigelow, between Massachusetts Ave. and City Hall Ave	21 00	39 00	21 00	80 00	.....	161 00	494
Binney, between Portland St. and B. & A. R.R	33 00	57 00	21 00	96 25	.....	207 25	994
Broadway, between Winsor St. and Prospect St	34 00	84 00	35 00	35 00	141 00	329 00	1,925
Davis, between Hampshire St. and Harvard St	34 00	78 00	14 00	37 50	195 00	358 50	945
Greenough Ave., between Highland Ave. and Ellsworth Ave	45 50	66 00	21 00	135 00	.....	267 50	709
Hampshire, between Inman Sq. and Somerville Line	12 50	10 75	10 50	40 00	6 00	79 75	432
Harrison, between School St. and Washington St	14 25	24 00	7 00	37 50	11 00	93 75	400
Harvard, between Dana St. and Hancock St	135 00	164 50	91 00	274 37	193 98*	858 85	2,195*
Harvard, between Hancock St. and Sixth St	1,037 00	1,298 00	696 50	2,426 25	.....	5,457 75	16,675
Palermo, between Winsor St. and Willow St	16 50	13 25	14 00	101 25	.....	145 00	750
Pleasant, between Massachusetts Ave. and Florence St	449 25	642 00	259 00	1,000 00	42 00	2,392 25	7,250
Plymouth, between Winsor St. and Webster Ave	44 75	68 00	28 00	126 25	4 00	271 00	887
School, between Portland St. and Austin St	144 25	216 00	98 00	402 50	354 50	1,215 25	4,160
Spring, between First St. and Ninth St	371 25	557 00	161 00	1,078 75	45 00	2,213 00	6,830
Suffolk, between Norfolk St. and Columbia St	45 50	84 00	28 00	210 00	4 00	371 50	924
Third, between Gore St. and Cambridge St	41 25	57 25	17 50	120 00	50	236 50	601
Washington, between Norfolk St. and Main St	360 00	639 00	220 50	1,245 00	32 00	2,496 50	6,124
Webster Ave., between Bristol St. and Hampshire St	60 00	144 00	35 00	.....	373 50	612 50	1,634
Totals	$3,341 75	$4,933 25	$2,058 00	$8,820 62	$1,462 48	$20,616 10	61,030

*This is the amount expended for Tarvia and the number of yards treated with same.

RESURFACING DISTRICT II.

STREETS	Labor	Teaming	Steam Roller	Crushed Stone	Gravel	Total	Square Yards
Banks, between Flagg St. and Sands St	$210 00	$353 00	$70 00	$507 50	$18 00	$1,158 50	2,157
Boylston, between Brattle St. and the Bridge	487 25	974 25	252 00	1,479 00	214 00	3,406 50	7,014
Broadway, between Ellery St. and Highland Ave	20 00	2 50	14 00	7 50	49 50	93 50	2,169
Day, between Massachusetts Ave. and Somerville Line	31 13	39 00	10 50	21 25	70 50	172 38	874
Foster, between Willard St. and Lowell St	182 63	354 50	117 25	542 50	10 00	1,206 88	3,098
Harvard, between Quincy St. and Dana St	322 00	623 50	182 00	985 00	267 75*	2,380 25	4,521†
Hilliard, between Mt. Auburn St. and Brattle St	30 13	17 75	21 00	23 75	133 50	226 13	912
Huron Ave., between Gurney St. and Lakeview Ave	106 00	170 00	70 00	261 25	17 00	624 25	1,728
Mt. Auburn, between Putnam Ave. and Brattle Sq	342 75	771 00	217 00	1,236 25	25 00	2,592 00	8,626
Mt. Auburn, between Hawthorn St. and Willard St	19 00	10 25	14 00	5 00	74 25	122 50	944
Myrtle Ave., between Kirkland St. and Magnolia Ave	39 50	60 38	31 50	115 00	.....	246 38	810
Putnam Ave., between Putnam Sq. and Western Ave	61 25	117 25	31 50	146 25	13 00	369 25	618
Reservoir, between Vassal Lane and Highland St	150 00	276 63	94 50	233 75	98 50	853 38	6,389
Rindge Ave., between N. E. Brick Co. and Sherman St	115 25	215 50	77 00	500 00	4 00	911 75	2,777
Sands, between Banks St. and Putnam Ave	68 00	113 25	45 50	127 50	8 50	362 75	897
Story, between Mt. Auburn St. and Brattle St	6 06	12 00	8 75	31 25	.....	58 06	855
Upland Road, between Massachusetts Ave. and Richdale Ave	72 19	119 25	52 50	310 00	.....	553 94	1,556
Wendell, between Oxford St. and Carver St	112 00	221 25	56 00	277 50	74 25	741 00	2,635
Totals	$2,375 14	$4,451 26	$1,365 00	$6,810 25	$1,077 75	$16,079 40	48,580

*This includes an amount of $264.25 for Tarvia.

†This includes an amount of 3,516 square yards of Tarviated surface.

STREET WATERING.

Appropriation		$34,000 00
Transferred from Street Dept., Bridges		800 00
Transferred sundry balances		199 16
Total appropriation		$34,999 16
Pay-roll, general	$1,181 59	
Pay-roll, clerical work	19 50	
Salary of foreman	1,200 00	
Sprinkling pay-roll	30,784 37	
Hay	28 08	
Grain	156 00	
Hardware, tools, etc.	30 85	
Harnesses, repairs, etc.	2 75	
Watering carts, renewals and repairs	525 41	
Standpipe repairs	263 05	
Sundries	22 00	
Special road treatment	766 87	
		34,980 47
Balance		$18 69

The street watering season of 1908 was one of the driest in the history of the Department. At the beginning of the year it was decided to employ the street watering contractors at a daily rate of $5.00 per day for the time worked, and in consequence of the lack of rain this became so expensive that the service during the last few weeks of the season was not what it should be, and was, on the whole, unsatisfactory.

Several streets were treated with preparations for laying the dust, and I have gone into the matter more deeply in the recommendations on the following pages.

MAINTENANCE—SALARIES.

Appropriation		$6,500 00
Salary of Superintendent	$2,500 00	
Salary of Chief Clerk	1,105 00	
Office clerks	1,296 00	
Yard clerks	1,467 00	
Temporary clerk	20 00	
		6,388 00
Balance		$112 00
Transferred to Street Watering		112 00

In accordance with a recommendation contained in an earlier report the salaries of the entire executive force of the Department are included in the above amounts.

CONSTRUCTION BINNEY STREET AND OTHERS.

Appropriation		$11,000 00
Transfer from Land Damages		1,000 00
Transfer from Hampshire Street, Broadway and Mt. Auburn Street Appropriation		700 00
Total appropriation		$12,700 00
Pay-roll	$5,798 30	
Teaming	1,324 13	
Hay	244 80	
Hardware, tools, etc.	153 62	
Gravel and freight	73 40	
Cement	31 72	
Crushed stone	2,182 99	
Edgestone	1,728 47	
Gutter stone	542 38	
Bitulithic surface	112 82	
Lighting	68 50	
Sundries	438 73	
		12,699 86
Balance		$ 14

This appropriation was expended in the widening and construction of Bowdoin Street, between Hudson Street and Martin Street; the construction of Berkeley Street, between Garden Street and Phillips Place; Manassas Avenue, between Concord Avenue and Huron Avenue; Tenney Street between Orchard Street and the Somerville Line and Binney Street, between First Street and Potter Street.

On the first four streets named edgestones were set and gutters laid and the streets macadamized. On Binney Street no edgestones were set, but the street was macadamized its entire length and twelve catch-basins were built to provide proper drainage for the street.

The following tables show the cost of the work performed on these streets:

GRADING.

STREET.	Labor.	Teaming.	Steam Roller.	Crushed Stone.	Gravel.	Total.	Square Yards.
Binney, between First and Potter	$2,656 25	$1,863 25	$290 50	$2,197 50	$73 50	$7,081 00	10,437.
Bowdoin, between Hudson and Martin	35 00	60 25	21 00	95 00	.....	211 25	444.
Berkeley, between Garden and Phillips Pl.	117 00	154 25	52 50	273 75	.....	597 50	999.
Manassas Ave., between Concord Ave. and Huron Ave.	69 00	112 75	45 50	211 25	.....	438 50	680.
Tenney, between Orchard St. and Somerville line	76 00	107 75	24 50	161 25	.....	369 50	520.

PAVING.

STREET.	Labor.	Teaming.	Gravel.	Gutter	Edgestone.	Bricks.	Total.
Berkeley, between Garden and Phillips Pl.	$252 01	$128 50	$3 00	$155 00	$164 15	.....	$702 66
Bowdoin, between Hudson and Martin	285 89	74 13	12 00	236 70	431 20	$1 30	1,041 22
Manassas Ave., between Concord Ave. and Huron Ave.	644 69	240 75	35 00	322 79	484 72	3 36	1,751 31
Tenney, between Orchard and Somerville line	436 47	141 25	8 00	302 04	564 25	.....	1,542 01

REBUILDING BROADWAY, MOUNT AUBURN AND HAMPSHIRE STREETS.

Appropriation		$50,000 00
Pay-roll	$12,343 52	
Teaming	1,936 50	
Hay	127 44	
Grain	354 90	
Hardware, tools, etc.	67 40	
Gravel and freight	881 54	
Cement	443 56	
Granite blocks	12,701 53	
Crushed stone	2,208 55	
Fieldstone	93 97	
Flagging	218 40	
Bitulithic surface	16,903 83	
Fuel	146 15	
Lighting	142 00	
Sundries	28 30	
Special Granite block paving	600 00	
		49,197 59
Balance		$802 41
Transfer from this appropriation to Construction Binney Street and others		700 00
Balance		$102 41

This amount was expended in laying bitulithic pavement on Broadway from Quincy Street to Ellery Street and Mount Auburn Street from Brattle Square to Willard Street and for paving with granite blocks Hampshire Street from Windsor Street to its junction with Broadway.

The following tables show in detail the amount expended on each of the above-named streets:—

Street.	Labor.	Teaming.	Steam Roller.	Crushed Stone.	Edgestone and Bricks.	Cement and Gravel.	Granite Blocks.	Bitulithic Pavement.	Total.
Broadway	$2,730 75	$1,210 75	$231 00	$1,146 25	.....	$240 00	$474 21	$8,577 23	$14,674 09
Hampshire Street	5,405 51	1,709 25	84 00	.....	$171 53	744 28	11,794 27	.....	19,908 84
Mt. Auburn Street	2,918 48	1,059 25	178 50	1,006 25	181 45	318 95	433 98	8,326 60	14,359 56

ALLSTON STREET AND OTHERS.

Amount reappropriated April, 1908		$946 55
Pay-roll	$526 68	
Teaming	128 00	
Edgestone	167 17	
Sundries	28 66	
Filling	93 75	
		944 26
Balance		$2 29

REBUILDING CAMBRIDGE STREET.

Amount reappropriated April, 1908		$656 96
Pay-roll	$518 19	
Teaming	60 25	
		578 44
Balance		$78 52

REBUILDING HAMPSHIRE STREET.

Amount reappropriated April, 1908		$365 90
Pay-roll	$315 25	
Teaming	49 50	
		364 75
Balance		$1 15

CONSTRUCTION HOUGHTON STREET AND OTHERS.

Amount reappropriated		$364 71
Pay-roll	$97 75	
Hay	33 40	
Grain	36 80	
Crushed stone	196 40	
		364 35
Balance		$ 36

The above four appropriations were unexpended balances carried over from the year of 1907 to complete work for which special appropriations had been made. The amounts were expended for materials and labor used in the construction of Allston Street, from Magazine Street to Kenwood Street; repaving Cambridge Street between Prospect Street and the Railroad crossing; repaving Hampshire Street between Inman Square and Columbia Street and the completion of the construction of Madison Avenue and Columbus Avenue.

PERMITS.

The issuing of permits for board walks, sale of goods on sidewalks, opening and obstruction of streets and sidewalks, building and repairing granolithic sidewalks and other purposes has grown to be an important feature of the office.

OPENING PERMITS.

	Apr. 1, 1908 to Mar. 31, 1909	
Boston Elevated R. R. Co.	22	
Boston & Maine R. R. Co.	7	
Cambridge Gas Co.	434	
Cambridge Electric Light Co.	156	
Met. Water & Sewage Bd.	1	
N. E. Tel. & Tel. Co.	45	
Sewer Department	7	
Water Department	2	
Drain layers	194	
Miscellaneous	37	
Total		905

OBSTRUCTION PERMITS.

Dust removing wagons	64	
Tar kettle contractors	61	
Miscellaneous	576	
Total		701
Moving buildings through public streets		5
Board walks		52

ARTIFICIAL STONE SIDEWALKS.

Simpson Bros. Co.	31	
E. R. Taylor & Co.	3	
Warren Bros Co.	6	
F. O. White	3	
Total		43
Selling goods on the sidewalk		45
Private steam roller passing through public streets		20
Grand total		1771

RECOMMENDATIONS.

The experience of the last two or three years has demonstrated the utter futility of macadamizing in the old-fashioned way main thoroughfares over which there is any considerable amount of traffic.

A striking illustration of this is shown in the condition of Harvard Street today. Last year we expended about $8,000 on Harvard Street, resurfacing it in the most thorough and complete manner, and today there is startling evidence of the wear in its surface. If we are to preserve the surface already laid there some of the well-known preservatives should be applied at once, not only for the purpose of its preservation, but to abate the intolerable dust nuisance caused in dry weather by rapidly-moving automobiles. This is true of a number of other important thoroughfares, and I therefore recommend that a special appropriation be made for some form of road treatment upon the following-named streets, which are, perhaps, the more heavily travelled automobile roads in the city:—

Harvard Street, Quincy Street to Sixth Street.
Brattle Street, Brattle Square to Mt. Auburn Street.
Boylston Street, Harvard Square to the Parkway.
Kirkland Street, Cambridge Street to the Somerville Line.
Magazine Street, Central Square to Granite Street.
Columbia Street, Main Street to Cambridge Street.
Windsor Street, from Main Street to Cambridge Street.
Massachusetts Avenue, Garden Street to Mt. Vernon Street.
Mount Auburn Street, Brattle Street to Railroad Bridge.

In pursuance with the plan laid down in previous reports with reference to the construction of main thoroughfares I respectfully recommend the following:—

1. The completion of Massachusetts Avenue on the easterly side from Blake Street to Alewife Brook. Hassam pavement was laid on one side of this portion of Massachusetts Avenue on the westerly side of the street, between Porter's Station and Alewife Brook, and on the east side, between Porter's Station and Blake Street, and I recommend that it be completed.

2. Massachusetts Avenue, from Garden Street to Mount Vernon Street. This is one of the most important thoroughfares in the city, and nothing of any consequence has been done on it since it was macadamized in 1898. I recommend that bitulithic pavement be laid there, leaving the granite block pavement between the tracks in the centre of the street, as has been done with that portion of the avenue beyond Porter's Bridge.

3. Broadway, from Ellery Street to Prospect Street. Bitulithic pavement has been laid on Broadway from its junction with Cam-

bridge Street to Ellery Street. I recommend its completion as far as Prospect Street.

4. Mount Auburn Street, from Hawthorne Street to the Watertown line. A beginning was made on permanent pavement on this street last year. Bitulithic pavement was laid on both sides from Brattle Street to Hawthorne Street, and on one side from Hawthorne Street to Willard Street. I recommend the completion of this street to the Watertown line.

5. The paving with granite blocks of Binney Street from Portland Street and the Grand Junction Railroad tracks. The Boston & Albany Railroad have built during the past year a new freight depot on this street and a large amount of traffic will go over it in the future. Nothing has been done to it for a long time, and it should be put into proper condition.

6. Paving with first-class granite blocks of Spring Street from First Street to Third Street and Third Street from Charles Street to Spring Street. These streets are in the manufacturing district of East Cambridge and are subjected to such heavy traffic that no other form of construction is sufficient to keep them in proper condition.

7. Paving with granite blocks of Commercial Avenue from Bridge Street to the new bridge. The new bridge over Lechmere Canal will be completed and ready for operation early in the year. That portion of Commercial Avenue between the bridge and Bridge Street has been filled and graded for a number of years and is in proper condition to receive granite pavement. The balance of the street between the bridge and First Street should be laid out, brought to grade, and at the present time macadamized, as in my judgment the foundation is hardly settled enough to carry a granite block pavement.

8. Repaving of Water Street from Bridge Street to North Street. This street was paved with small, old-fashioned granite blocks very many years ago. They are almost completely worn out, and the street is in deplorable condition. The Revere Sugar Refinery and the power house of the Boston Elevated Railway Company are located there and the traffic is very heavy. There seems to be no other way to improve this street except to remove the old-fashioned blocks and to lay in their place heavy, first-class granite blocks of the largest size.

9. Repaving of Broadway from Third Street to the Grand Junction Railroad crossing. This portion of Broadway was paved with small granite blocks about twenty-five years ago, and they are so badly worn that they cannot be turned for repaving and the street is in very bad condition. I would recommend, therefore, that these old blocks be taken out and the street be repaved with first-class blocks.

INVENTORY OF REAL AND PERSONAL PROPERTY.

REAL ESTATE.

Location.	Buildings.	Erection of Buildings.	Purchase of Land	Feet of Land.	Valuation of Land	Valuation of Buildings.
Raymond St.....	City Yard and Stable, stable, sheds, scales, etc.	1897	1896	272,670	$27,000	$27,000
Hampshire St...	City Stable, sheds and scales, including old police station.....	1885	.....	72,661	30,000	16,000
E. S. Norfolk St.	Yard and pound.....	.....	.....	39,600	12,000	.....
River St.....	Yard and wharf.....	.....	.....	41,546	17,000	.....
Acton, Mass....	Land, gravel bank.....	.....	1896	.....	7,000	.....
Main St.....	Land and incinerator plant.....	1908	.....	93,424	31,900	18,000
					$124,900	$61,000

Total valuation of real estate..... $185,900

PERSONAL PROPERTY.

69 horses	$8,000 00	
53 watering carts	13,000 00	
56 single and double carts	5,000 00	
98 sets harness	2,400 00	
Miscellaneous buggies, sleighs, pungs, plows, wagons, etc.	2,500 00	
3 bicycles	50 00	
5 steam rollers	11,000 00	
1 two-horse section roller	100 00	
Miscellaneous tools, road machines, pick-up sweepers, scrapers, brooms, waste barrels, push carts, etc.	8,500 00	
Stone crushing plant, Raymond Street	5,000 00	
Stone crushing plant, Hampshire Street	5,000 00	
Furnace and boiler, Incinerator plant	12,000 00	
8 Shadbolt ash carts	2,500 00	
2 Watson carts	300 00	
Miscellaneous lumber, iron, tools, etc.	1,500 00	
200 feet straight edgestone	136 64	
35 feet circle edgestone	27 30	
70,000 granite paving blocks, seconds	1,750 00	
11,000 sidewalk bricks	132 00	
11 tons coal	52 14	
50 tons field stone	37 50	
1,040 tons crushed stone	1,040 00	
42 feet granite flagging	33 60	
		$80,059 18
Total valuation of real and personal estate		$265,959 18

My hearty thanks are extended to His Honor, the Mayor, for his cordial assistance and co-operation during the year. His long experience in City affairs has been of great value in solving the complex situations which followed the change in the financial year and other difficult matters.

The Committee on Highways have manifested great interest in the work of the Department, and matters of importance have been considered and satisfactorily adjusted during their term. Their assistance and counsel have been exceedingly valuable, and are thankfully appreciated.

My acknowledgments are extended to the members of the City Council and to the officials of the City for their courtesy and consideration.

The value of the work performed by the employees in general is recognized and most heartily commended.

Respectfully submitted,

GEO. M. CLUKAS,

Superintendent of Streets.

C.S. Church Arlington Heights, Mass

REPORT OF THE COMMISSIONER OF BOSTON AND CAMBRIDGE BRIDGES.

To the Honorable, the City Council:—

GENTLEMEN:—In accordance with the provisions of Section 3, Chapter 5, of the Revised Ordinances, the undersigned respectfully submits his report as Bridge Commissioner for the period ending March 31, 1909.

The present Commissioner assumed office January 1, 1908, but the financial statement presented herewith covers the entire period from December 1, 1907, to April 1, 1908, and the fiscal year beginning April 1, 1908, and ending March 31, 1909.

The new Cambridge Bridge was turned over to this Commission December, 1907, and its lighting, cleaning and maintenance are now a part of the work of the Commission. There are 114 gas lamps on this bridge, and up to about the first of May, 1908, these were all lighted each night. The Commissioners decided, however, that a proper amount of light would be supplied by lighting only every other lamp, and accordingly this was done. This has resulted in a saving of $5,000 in the lighting bills annually. As this bridge is new and substantially constructed, the amount needed for repairs should be very slight for the coming year. A further reduction in the expense was made by dispensing with the watchmen and watering of the bridge, which amounted to about $2,300.

The North Harvard Bridge requires extensive repairs in order to keep it in a safe condition for public travel, and I have every reason to believe that the repair bills for this bridge will continue to increase until some permanent structure is built to take its place. As this bridge has an enormous amount of travel at certain seasons of the year, and especially in the fall, I would recommend that the Council this year give this matter very serious consideration.

It was necessary to repoint all the piers under the Harvard Bridge this year on account of the river being closed by the dam and maintained at grade 8. The pier fenders and the draw are in rather poor repair, and the City Engineer of Boston is making an estimate of the cost of the necessary repairs to this bridge. The motors and machinery are in fair condition. The draw tender's house was painted during the year. The wooden block pavement in many places on the bridge needs immediate attention, especially between the rails, and the

Boston Elevated Railway Company has now a plan under way to place their portion of the paving in satisfactory condition.

On the Brookline Street Bridge some replanking will be necessary on the roadway. Otherwise, the bridge is in very good condition.

Considerable repairing had to be done to both the River Street and the Western Avenue Bridges during the year. Both of these bridges are old and worn. Much of the woodwork on these bridges has been exposed to the weather and heavy traffic for many years, and they will require continual repairing.

The Prison Point Bridge is in very good condition with the exception of the top decking which is now being replanked.

I wish to extend my sincere thanks to Mr. Guy C. Emerson, the Boston Commissioner, and to Mr. William Jackson, the City Engineer, for their hearty co-operation and support during the year.

Respectfully submitted,

W. H. JOYCE,

Bridge Commissioner.

CLASSIFICATION OF EXPENDITURES—BOSTON AND CAMBRIDGE BRIDGES.

December 1, 1907—March 31, 1908.

	Boylston Street	Brookline Street	Cambridge	Harvard	Prison Point	River St.	Western Avenue	General Account
Salaries	$133.32	.....	$800.14	$849.92	$833.24	$349.96	$349.96	$293.33
General Repairs	18.13	.....	.....	81.20	.....	.....	.....	.....
Paving and Sand	.....	.....	.....	148.75	.....	.....	.....	.....
Lumber	27.38	.....	.....	.....	.....	.....	.....	.....
Iron Work	.....	.....	.60	156.88	.....	8.38	8.73	.....
Light	.....	$91.71	698.43	390.	.....	15.	15.	.....
Fuel	.....	.....	.....	14.50	5.80	5.80	.....	.....
Sundries	.....	.....	1.50	7.23	4.37	2.80	.....	.....
Cleaning Bridges	.....	20.50	.....	25.44	.....	.....	.....	.....
Tools and Hardware	3.10	.....	5.86	.69	.....	.....	.....	.....
Travelling Expenses	.....	.....	.....	.....	.....	.....	.....	5.
Printing and Stationery	.....	.....	.....	.....	.....	.....	.....	17.13
Totals	$182.53	$112.21	$1,506.53	1,674.61	$843.41	$381.94	$373.69	$315.46

Number of Times the Draws in the Boston and Cambridge Bridges Have Been Opened and the Number of Vessels Which Have Passed Through for the Period Beginning December 1, 1907, and Ending March 31, 1908.

	Boylston Street		Harvard		Prison Point		River Street		Western Avenue	
	Number of Draw Openings.	Number of Vessels Passing Through.	Number of Draw Openings.	Number of Vessels Passing Through.	Number of Draw Openings.	Number of Vessels Passing Through.	Number of Draw Openings.	Number of Vessels Passing Through.	Number of Draw Openings.	Number of Vessels Passing Through.
December, 1907	17	26	99	250	54	110	31	52	15	24
January, 1908	5	10	37	57	82	116	5	10	5	10
February, "	.....	.....	4	4	56	166	.....	.....	.....	.....
March, "	.....	.....	18	27	68	120	.....	.....	.....	.....
	22	36	158	338	260	512	36	62	20	34

CLASSIFICATION OF EXPENDITURES—BOSTON AND CAMBRIDGE BRIDGES.

April 1, 1908, to March 31, 1909.

	Boylston Street	Brookline Street	Cambridge	Harvard	Prison Point	River St.	Western Avenue	General Account
Salaries	$395.55	.....	$2,102.71	$2,605.57	$2,556.06	$1,073.76	$989.77	$973.31
General Repairs	92.14	$51.37	25.59	723.44	48.90	61.39	225.92	.....
Paving and Sand	.....	2.36	5.	264.73	.....	.....	.....	.....
Lumber	109.58	56.28	.....	374.24	128.45	49.93	191.26	.....
Iron Work	.....	.....	123.31	14.36	3.12	22.	24.74	.....
Light	.....	276.15	2,137.58	1,069.79	22.50	45.	45.	.....
Fuel	.....	.....	.....	25.83	5.74	10.04	.....	.....
Sundries	.....	.....	2.25	22.87	2.30	5.97	.....	.....
Cleaning Bridges	.....	32.00	.....	79.83	21.00	.....	.....	.....
Tools and Hardware	6.55	8.88	39.20	46.94	18.68	22.99	7.00	.....
Travelling Expenses	.....	.....	.....	.....	.....	.....	.....	35.
Printing and Postage	.....	.....	.....	.....	.....	.....	.....	52.98
Damages	.....	.....	.....	.....	.....	.....	.....	57.95
Totals	$603.82	$427.04	4,435.64	5,227.70	$2,806.75	$1,291.08	$1,483.69	$1,119.24

Number of Times the Draws in the Boston and Cambridge Bridges Have Been Opened and the Number of Vessels Which Have Passed Through for the Year Beginning April 1, 1908, and Ending March 31, 1909.

	Boylston Street		Harvard		Prison Point		River Street		Western Avenue	
	Number of Draw Openings.	Number of Vessels Passing Through.	Number of Draw Openings.	Number of Vessels Passing Through.	Number of Draw Openings.	Number of Vessels Passing Through.	Number of Draw Openings.	Number of Vessels Passing Through.	Number of Draw Openings.	Number of Vessels Passing Through.
April, 1908	22	79	57	90	23	46	29	90	24	82
May, "	85	336	81	136	26	49	93	348	86	337
June, "	28	77	102	102	20	94	36	93	28	77
July, "	12	18	71	119	29	56	20	34	12	18
August, "	2	3	79	131	21	39	8	13	8	15
September, "	12	19	273	475	33	67	32	35	22	35
October, "	4	6	98	129	19	37	72	121	15	21
November, "	10	16	69	136	21	44	29	42	17	23
December, "	....	.....	56	86	17	36	6	11	....	.....
January, 1909	....	.....	.....	.....	12	19	....	... .	.....	... .
February, "	....	.....	.....	.....	10	17	.....	.....	.....	....
March, "	4	6	25	36	25	48	4	6	4	6
	179	560	911	1,440	256	552	329	793	216	614

REPORT OF THE CITY ENGINEER.

OFFICE OF THE CITY ENGINEER,
CAMBRIDGE, April 1, 1909.

To the Honorable, the City Council:—

The City Engineer hereby submits his annual report, being the forty-second of the Department, showing the operation and expenditures of the Engineering and Sewer Departments for the period from December 1, 1907, to April 1, 1909.

A brief summary of the work of the Engineering Department for this period is as follows:

FOR HIGHWAY DEPARTMENT.

Number of surveys made	8
Number of street lines given	35
Number of grades given	68
Number of streets on which paving, curb, etc., was measured	78
Number of assessments prepared	253
Number of plans and profiles prepared	10

FOR SEWER DEPARTMENT.

Number of surveys made	42
Number of lines given	421
Number of grades given	487
Number of sewers measured	50
Number of assessments prepared	44
Number of sewers assessed	9
Number of plans or profiles prepared	82

FOR WATER WORKS.

Number of surveys	46
Number of plans and profiles made	14

FOR PARK DEPARTMENT.

Number of surveys made	7
Number of grades given	90
Number of lines given	75

FOR LAW DEPARTMENT.

Number of surveys	37
Number of plans (not filed)	6
Number of photographs	74

FOR PRIVATE PARTIES.

Number of street lines given	64
Number of street grades given	24

MISCELLANEOUS WORK.

Number of surveys	57
Number of houses measured	290
Number of plans or profiles prepared, tracings, etc.	280
Number of photographs taken	35

There are now on file in the office 10,666 plans.

FINANCIAL.

ENGINEERING DEPARTMENT.

SALARIES.

	4 months	12 months	16 months
Appropriation	$3,294 28	$8,975 00	$12,269 28
Expended	3,201 74	8,974 95	12,176 69
Balance	$92 54	$ 05	$92 59

OTHER EXPENSES.

	4 months	12 months	16 months
Appropriation	$299 66	$800 00	$1,099 66
Expended	180 52	746 90	927 42
Balance	$119 14	$53 10	$172 24

In addition to the above amount charged to salaries of assistants, there have been expended and charged to departments as follows:—

To Assessors' plans	$298 46	
To Sewer Department	1,972 66	
To Engineering Department (as above)	8,176 69	
		$10,447 81
Total expenditure for engineering		$15,375 23

CLASSIFICATION OF SALARIES OF ASSISTANTS.

Accounts	$533 33	
Assessors' plans—Surveys, measurements and work on block plans for Assessors' Department	469 35	
Accidents—Surveys, plans and court attendance for Law Department	217 37	
Bridges—Surveys, plans, examinations and estimates	417 86	
Cemetery—Surveys and plans, setting out lots, etc., at Cambridge Cemetery	59 42	
General surveys and levels—Surveys and work on section and city plans and bench leveling	991 03	
Highways—Surveys, levels, plans, estimates, measurements and assessments for Highway Department, also lines and grades for private parties	984 81	
Location plans for electric conduits, gas, water pipes, etc.	320 50	
Miscellaneous—Unclassified work for committees and departments, vacations and sickness	1,566 98	
Parks—Surveys, lines, grades, plans and estimates for Park Department	1,001 71	
Sewers—Lines, grades, plans, estimates, measurements and assessments, accounts, for Sewer Department	3,537 47	
Sidewalks—Estimates, measurements, titles and assessments for Highway Department	99 35	
Water Works—Surveys, lines, grades, plans and estimates for Water Works Department	248 63	
		$10,447 81

STREETS.

The following-named streets have been laid out and accepted during the period:—

STREETS LAID OUT AND ACCEPTED, DECEMBER 1, 1907, TO MARCH 31, 1909.

Location of Street.						Plan.	
Street.	From	To	Length in Feet.	Width in Feet.	Date of Acceptance.	Made by	Date
Binney St.....	Third St.....	Ninth St.....	1,594.6	50	Jan. 2, 1908	Wm. A. Mason.....	Oct. 5, 1907
Bowdoin St.....	Hudson St.....	Northerly	245.0	40	Jan. 2, 1908	Charles Morton	Nov. 12, 1883
Manassas Ave.....	Concord Ave.....	Huron Ave.....	511.31	24	Jan. 2, 1908	Wm. A. Mason.....	June 6, 1907
Phillips Pl.....	Garden St.....	Berkeley St.....	253.91	35	Jan. 2, 1908	Wm. A. Mason.....	Aug. 10, 1907
Tenney St.....	Orchard St.....	Somerville Line.....	372.0	24	Jan. 2, 1908	Chester A. Garfield.	Sept. 15, 1906

COMMERCIAL AVENUE BRIDGE.

This bridge, reported last year as being under construction, was completed and accepted September 11, 1908.

As the grading of Commercial Avenue has never been completed, nor the paving placed, the bridge has never been opened for travel. This work should be completed the coming season.

The amounts expended in the construction of this bridge are as follows:—

Piles and foundations, Hugh Farrell, contractor, contract completed June 25, 1908, amount paid	$22,635 56
Superstructure, Scherzer Rolling Lift Bridge Company, plans, etc.	1,800 00
Boston Bridge Works, Inc. Steel work, etc., contract completed September 11, 1908	26,211 91
Miscellaneous expenses, inspection, etc.	2,184 58
Cost	$52,832 05
Amount appropriated	55,000 00
Balance unexpended	$2,167 95

FIRST STREET BRIDGE.

In accordance with the recommendation made in 1907 that this bridge be rebuilt, an order was passed authorizing the work in the early part of 1908. Plans were prepared and a contract made with the Cahill Construction Company of Boston, to do the work, which was completed July 6, 1908.

The entire bridge and nearly all the piles were removed and a new structure put in the place of the old one. While this was being done, foot travel across the canal was maintained by a temporary foot-bridge, suspended from a large boom derrick which could be swung around to allow the passage of vessels in the canal. Payments were made on the work, as follows:—

Appropriation		$10,000 00
Cahill Construction Company, contract	$7,741 99	
Foot bridge	275 00	
Inspection	176 00	
Repaving, labor, etc.	614 64	
		8,807 63
Unexpended balance		$1,192 37

THIRD STREET BRIDGE.

A careful examination of this bridge showed that it was in very poor condition. Many of the piles and timbers were badly decayed and worn out so that the structure was not worth putting in repair. It was concluded to rebuild the entire structure with new piles and rebuild a large part of the seawall on the southerly side of the canal, which for many years had been falling in, and was in very bad condition.

A contract was made with William L. Miller to do this work, which was completed September 23, 1908.

The cost has been as follows:—

William L. Miller contract	$6,064 49	
Electric motors	400 00	
Inspection, painting and incidentals	512 86	
	$6,977 35	
Appropriation	7,000 00	
Unexpended balance		$22 65

SIXTH STREET BRIDGE.

This bridge urgently needs a thorough overhauling, especially the northerly portion. Many of the timbers have become badly decayed and the planking under the top planking is in very bad condition.

I renew the recommendation of last year that the work be undertaken at once.

OTHER BRIDGES.

The various other bridges in the care of the City are in fairly good condition and will need only minor repairs, painting, replanking, and so forth.

PAVEMENT STATISTICS.

During the past year 0.532 miles of street pavement have been added to the total amount in the city limits.

Classification of the pavements by kinds follows:—

PAVEMENT STATISTICS.

Kind.	Length Miles.	Area Square Yards.
Granite Blocks	9.819	241,438
Vitrified Bricks	3.573	82,941
Bitulithic (Warren Bros. Co.)	2.813	69.024
Hassam	0.840	22,329
Asphalt	0.169	5,315
Macadam	84.584	1,226,237
Totals	101.789	1,647,284
Wood Block (Harvard Bridge)	0.185	5,512

CAMBRIDGE MAIN STREET SUBWAY.

In January, 1908, arguments were made before the Supreme Judicial Court by the counsel representing the State of Massachusetts, the City of Cambridge, and the Boston Elevated Railway Company, upon the disputed questions as to the meaning and scope of the Act of the Legislature authorizing the construction of the subway.

The decision of the Supreme Court was rendered February 28, 1908, and gave to the Massachusetts Board of Railroad Commissioners large powers as to the location and construction of both the subway and stations.

Hearings before the Board were immediately resumed as to the number of stations, and on July 21, 1908, a decision was given by the Commission, determining three as the number of stations, to be located, one at or near Harvard Square, one at or near Central Square, and one at or near Kendall Square.

The question arose as to the exact location and type of stations to be constructed. As a preliminary to filing official plans of the Central Square station, the Railroad Company submitted to the Mayor three studies or sketches of a station for this point. These were examined by many citizens and the matter discussed at a public hearing given by the Mayor. Neither of the sketches seemed to meet the approval of the public.

On November 5, 1908, the Railroad Company filed with the Mayor, for his approval, plans for stations at Harvard Square, Central Square, and at Sixth Street, west of Kendall Square.

These plans did not prove acceptable, and on December 18, 1908, the Mayor notified the Railroad Company of his disapproval of the plans submitted.

The plans were then submitted to the Railroad Commission by the Company, for their approval, and hearings on this question were begun, and the last hearing was held March 5, 1909.

In all, twenty hearings have been held before the Railroad Commissioners, the time extending from the first one, held September 11, 1907, to the last, March 5, 1909.

On March 22, 1909, a decision was given by the Railroad Commissioners, approving the Railroad Company's plan of Harvard Square station, disapproving the plans of stations at Central Square and Sixth Street, and making certain suggestions as to modifications to them.

In preparing for these hearings a large number of plans, sketches and studies have been prepared both by the City and the Railroad Company.

SEWERS.

CONSTRUCTION—SEPARATE SYSTEM OF SEWERAGE.

Work on the extension of this system was carried on the entire season, principally in the North Cambridge section.

Sewers were constructed in

Massachusetts Avenue near Sidney Street	65.3	feet
King Street and Extension easterly	261.4	"
Creighton Street, Massachusetts Avenue to near Railroad	600.85	"
Creighton Street, Extension to Richdale Avenue	291.85	"
Sherman Street, Bolton Street southerly	485.90	"
Massachusetts Avenue, westerly side Hollis Street to Fitchburg Railroad	1,835.90	"
Regent Street, Massachusetts Avenue to near Fitchburg Railroad	515.70	"
Porter Road	778.00	"
Porter Circle	113.80	"
Porter Park	111.00	"
Walden Street, Massachusetts Ave. to Fitchburg Railroad	657.80	"
Cogswell Place, Mead Street southerly	419.40	"
Cypress Street, Walden Street easterly	152.80	"
Sycamore Street, Walden Street easterly	143.20	"
Pemberton Street, Railroad Street to Rindge Avenue	808.00	"
Richdale Avenue, Upland Road to Walden Street	1,050.80	"
Fairfield Street	595.70	"
Rindge Avenue, Sherman Street to Pemberton Street	2,031.30	"
Herbert Street	197.25	"
Buena Vista Park, Richdale Avenue to Upland Road	456.60	"
Haskell Street	525.20	"
Vandine Street, Portland Street to Berkshire Street	316.00	"
Hollis Street	662.00	"
Rindgefield Street, Rindge Avenue northerly	197.00	"

Rice Street	1,090.00	"
Upland Road, Massachusetts Avenue to Buena Vista Park	1,170.10	"
Mt. Vernon Street, Upland Road southerly	251.50	"
Sargent Street, Railroad Street to Rindge Avenue	798.00	"
Dudley Street	803.60	"
Reed Street	1,339.50	"
Harvey Street, Montgomery Street to Cedar Street	578.10	"

The total length of sewer constructed under this appropriation is 18,503.55 feet, and the total amount expended has been $47,258.93.

GATE CHAMBERS.

Alterations in the gate chambers on Charles River begun in 1907 were completed in 1908. Chambers at Bridge Street, Binney Street, Plympton Street, Willard Street, Sparks Street, and Lowell Street were either built or altered so as to meet the requirements of the conditions caused by the elevation of the water in Charles River, so that now all are in proper condition.

Of the original appropriation of $5,000.00, $4,645.01 has been expended, leaving a balance of $354.99.

GENERAL SEWER CONSTRUCTION.

The total length of sewer conduit constructed during the period was 4.571 miles, making the total mileage in the city 140.341 miles. The length of streets newly sewered during the year has been 0.772 feet, making the total mileage of streets sewered with one or more conduits 116.600 miles.

The total cost of sewer construction to date, including $1,286.30, paid by the Street Department for catch-basin construction, has been $2,118,796.93.

Sewers have been built on streets, as shown by the annexed schedule on opposite page.

SEWERS CONSTRUCTED BETWEEN DECEMBER 1, 1907, AND APRIL 1, 1909.

Streets.	From	To	Material.	Size in Inches.			Number of			Average Depth.	Length in Feet.			Cost.		Time when work was	
				Combined	Storm.	Sanitary.	Manholes.	Lamp holes.	Inlets.		Combined.	Storm.	Sanitary.	Per foot.	Total.	Begun.	Finished.
Massachusetts ave	Sidney st	N'ly and E'ly	Akron pipe			8	1	1	2	9			65.30	$1.17	$76.14	Dec. 1, '07	Dec. 7, '07
Wyeth terrace	Lexington ave	Southerly	Concrete and brick	25 x 29½			2		18	7	420.40			7.00	2,944.65	Dec. 1, '07	Jan. 11, '08
King st. and Private Land	Walden st	Creighton st	Akron pipe			10			8	10			261.40	3.40	888.76	Dec. 1, '07	Jan. 4, '08
Banks st	Stiles st	Southerly	" "		10	8			16	9		144.30	146.65	2.62	384.21	Dec. 1, '07	Dec. 12, '07
Hubbard pk	Sharks st	Westerly	Concrete and brick		15 x 18												
			Akron pipe		12 & 10	8	2	1	88	9.5		660.60	663.70	3.80	2,519.79	Dec. 10, '07	Apr. 17, '08
Creighton st	King st. ext	Mass. ave	" "			8 & 10	2		42	11			600.85	3.40	2,042.89	Jan. 1, '08	Mar. 28, '08
Sherman st	Bolton st	Southerly	Concrete and brick			18 x 24	1		18	9			485.90	4.14	2,011.61	Mar. 23, '08	Apr. 25, '08
Massachusetts ave	Walden st	Fitchburg R.R	Akron pipe			10 & 8	5	2	43	12			1,107.30	2.33	2,583.71	Mar. 26, '08	J'ne 27, '08
Regent st	Mass. ave	Southerly	" "			8	2		39	8.5			515.70	1.80	931.64	Apr. 6, '08	Apr. 18, '08
Porter rd., W'ly	Mass. ave	Southerly	" "			8	2		12	12			313.00	2.40	751.20	Apr. 24, '08	May 13, '08
Porter circle	Porter rd	Westerly	" "			8		1	11	11			113.80	2.20	250.74	Apr. 29, '08	May 8, '08
Cambridge ter	Richdale ave.	Westerly	" "		10	8	2	2	36	9.5		445.90	447.30	3.65	1,633.66	Apr. 30, '08	May 27, '08
Porter pk	Porter rd	Easterly	" "			8		1	10	9.5			111.00	1.94	215.38	May 12, '08	May 19, '08
Hospital grounds	n. Concord ave	Met. sewer	" "			10 & 8	5		3	10.5			1,486.00		*2,467.24	May 14, '08	J'ly 3, '08
Porter rd., e'ly	Mass. ave	Porter rd	" "			8	1		17	10.5			241.40	2.40	579.36	May 21, '08	May 28, '08
Porter rd., s'ly	Porter rd	Porter rd	" "			8		1	14	9			233.60	2.40	536.64	May 25, '08	J'ne 1, '08
Walden st	Mass. ave	Fitchburg R.R	" "			8	3	2	40	11.5			657.80	2.67	1,761.95	May 28, '08	J'ne 22, '08
Cogswell pl	Mead st	Southerly	" "			8	1	1	19	9			419.40	1.98	832.77	J'ne 2, '08	J'ne 16, '08
Cypress st	Walden st	Easterly	" "			8		1	6	10			152.80	1.69	257.90	J'ne 15, '08	J'ne 19, '08
Sycamore st	Walden st	Easterly	" "			8		1	8	9			143.20	1.05	150.40	J'ne 18, '08	J'ne 24, '08
Pemberton st	Railroad st	Rindge ave	" "			8	3		55	9.5			808.00	2.05	1,658.05	J'ne 23, '08	J'ly 31, '08
Richdale ave	Upland rd	Walden st	" "			10 & 8	3	2	51	10			1,050.80	3.10	3,253.35	J'ne 25, '08	Aug. 6, '08
Fairfield st	Pemberton st	Rindge ave	" "			8	2		43	9.5			595.70	2.62	1,562.48	J'ne 27, '08	J'ly 18, '08
Rindge ave	Sherman st	Pemberton st	" "			12-10-8	7		120	12			2,031.30	2.25	4,665.47	J'ly 28, '08	Sep. 15, '08
Herbert st	Richdale ave	Cambridge ter	" "			8	1	1	10	9.5			197.25	2.32	456.95	J'ly 30, '08	Aug. 12, '08
Fitchburg R. R	Creighton st	Richdale ave	" "			10			5	9.5			291.85	3.40	992.29	Aug. 10, '08	Sep. 3, '08
Buena Vista pk	Richdale ave	Upland rd	" "			8	1	1	31	10			456.60	1.63	743.73	Sep. 9, '08	Sep. 24, '08
Haskell st	Rindge ave	Mass. ave	" "			8	1		37	10.5			525.20	1.67	879.70	Sep. 9, '08	Sep. 18, '08
Massachusetts ave	Rindge ave	Hollis st	" "			8	3		28	10.5			728.60	2.33	1,697.64	Sep. 16, '08	Sep. 30, '08
Vandine st	Portland st	Berkshire st	" "			8	1		20	14.5			316.00	4.74	1,498.33	Sep. 22, '08	Oct. 24, '08
Hollis st	Rindge ave	n. Mass. ave	" "			8	3		48	9.5			662.00	1.64	1,084.54	Sep. 29, '08	Oct. 10, '08
Rindgefield st	Rindge ave	Northerly	" "			8	1		15	8.5			197.00	1.53	300.50	Oct. 6, '08	Oct. 9, '08
Rice st	Rindge ave	Mass. ave	" "			8	3		79	13.5			1,090.00	2.28	2,482.03	Oct. 9, '08	Nov. 9, '08
Upland rd	n. Mass. ave	Buena Vista pk	" "			8	5	1	74	9			1,170.10	1.98	2,309.56	Oct 19, '08	Nov. 16, '08
Central pl	Western ave	Northerly	" "	8				1	6	6.5	126.40			.48	61.15	Oct. 19, '08	Oct. 20, '08
Fresh Pond lane	Huron ave	Northerly	" "	8				1	2	7	157.70			1.34	211.26	Nov. 2, '08	Nov. 6, '08
Mt. Vernon st	Upland rd	Southerly	" "			8		1	12	8.5			261.50	1.04	261.35	Nov. 12, '08	Nov. 18, '08
Sargent st	Railroad st	Rindge ave	" "			8	2	1	62	10			798.00	1.51	1,203.13	Nov. 16, '08	Nov. 27, '08
Dudley st	Cedar st	Clay st	" "			10-8	2		50	10			803.60	3.24	2,600.11	Nov. 19, '08	Apr. 1, '09
Reed st	Rindge ave	Harvey st	" "			8	3	1	94	10			1,339.50	1.89	2,523.70	Nov. 25, '08	Mar. 18, '09
Harvey st	Montgom'y st	Cedar st	" "			10-8	2	1	36	11			578.10	2.77	1,605.38	Dec. 1, '08	Mar. 19, '09
Warwick pk	Pemberton st	Easterly	" "		10	8	1	2	14	9		176.50	178.50	1.25	224.10	Dec. 2, '08	Dec. 11, '08

*Cost paid by the Cambridge Board of Health.

SEWER FOR CONTAGIOUS HOSPITAL.

The construction of a hospital for contagious diseases by the Board of Health on Concord Avenue rendered it necessary to construct a special sewer for the various buildings. As no city sewer was near, a connection was made with the Metropolitan sewer (Belmont branch), near the Fitchburg Railroad, and the sewer built over private land to and into the hospital grounds. One thousand four hundred and eighty-six feet of sewer was built at a cost of $2,467.24, which was all charged to the Cambridge Board of Health Department.

CATCH-BASINS.

Fifty catch-basins have been built during the period, at a total cost of $3,385.22. Of this amount $1,286.30 has been paid by the Street Department.

One hundred and twenty-eight catch-basins have been repaired at a cost of $1,433.02. Five thousand nine hundred and six loads of material have been removed from two thousand seven hundred and forty-two catch-basins during the year at a cost of eight thousand ninety dollars and sixty-seven cents.

Eighteen persons have been licensed as drain-layers during the year. Permits have been granted for sewer repairs or connections, as follows:

For repairs	106
For connection to combined sewers	136
For connection to sanitary sewers	37
For connection to storm sewers	30

A total of 203 permits for connections and 106 for repairs.

Classified Schedule of Sewers, as Built to April 1, 1909.

Brick	48.714	miles
Concrete	.244	"
Pipe	85.177	"
Wood	2.897	"
Miscellaneous	3.309	"

There has been from December 1, 1907, to April 1, 1909, a section of four different sewers rebuilt as follows:

Three hundred and twenty feet of wooden box sewer in Spring Street between Seventh and Ninth Streets. Cost $500.43.

Two hundred feet of 10-inch akron pipe sewer in Bradbury Street between Mt. Auburn Street and the angle in Bradbury Street. Cost $574.11.

Two hundred and forty-five feet of 10-inch akron pipe sewer in Murray Street between Dwight Street and Lyman Street at a cost of $851.12.

One hundred and thirty feet of 36-inch x 42-inch single brick sewer in Sherman Street from Bolton Street southerly. Cost $680.03.

SEWER DEPARTMENT—FINANCIAL.

MAINTENANCE APPROPRIATION.

	4 months	12 months	16 months
Appropriation	$6,489 73	$19,875 00	$26,364 73
Expended	5,280 56	19,714 40	24,994 96
Balance	$1,209 17	$160 60	$1,369 77

EXPENDED.

	4 months	12 months	16 months
Catch-basin repairs	$200 17	$1,232 85	$1,433 02
Cleaning catch-basins	1,819 12	6,271 55	8,090 67
Cleaning and repairing gates	429 43	1,314 50	1,743 93
Cleaning sumps	80 00	223 29	303 29
Cleaning and flushing sewers	409 76	1,070 93	1,480 69
Manhole repairs	3 56	330 36	333 92
General Expense	1,363 84	3,850 06	5,213 90
Office Expense	152 56	437 21	589 77
Sewer repairs	223 47	3,200 80	3,424 27
Stable Expense	598 65	1,782 85	2,381 50
Total	$5,280 56	$19,714 40	$24,994 96

CONSTRUCTION GENERAL APPROPRIATION.

	4 months	12 months	16 months
Appropriation	$3,999 76	$6,000 00	$9,999 76
Expended	3,997 08	5,652 24	9,649 32
Balance	$2 68	$347 76	$350 44

EXPENDED.

	4 months	12 months	16 months
Banks Street sewer	$384 21		$384 21
Wyeth Terrace sewer	2,612 96	$113 99	2,726 95
Hubbard Park sewer	878 24	1,264 91	2,143 15
Cambridge Terrace sewer		1,633 66	1,633 66
Central Place sewer		61 15	61 15
Fresh Pond Lane sewer		211 26	211 26
Warwick Park sewer		224 10	224 10
General Expense	4 83	161 09	165 92
New catch-basins	116 84	1,982 08	2,098 92
Total	$3,997 08	$5,652 24	$9,649 32

SEPARATE SYSTEM APPROPRIATION.

	4 months	12 months	16 months
Appropriation	$7,279 63	$2,777 25*	$48,559 26
		41,279 63†	
Expended	4,502 38	42,756 55	47,258 93
Balance	$2,777 25*	$1,300 33	$1,300 33

*Reappropriated.
†Transfer.

EXPENDED.

	4 months	12 months	16 months
Mead Street sewer	$1,000 76	.....	$1,000 76
Wyeth Terrace	217 70	.....	217 70
Hubbard Park	376 64	.....	376 64
Massachusetts Avenue at Sidney	76 14	.....	76 14
Creighton Street and King Place	2,201 89	1,717 61	3,919 50
Regent Street	75 57	856 07	931 64
Sherman Street	508 31	1,503 30	2,011 61
Massachusetts Avenue, North Cambridge	45 37	4,235 98	4,281 35
Porter Road	.....	1,865 52	1,865 52
Porter Circle	.....	250 74	250 74
Porter Park	.....	215 38	215 38
Walden Street	.....	1,761 95	1,761 95
Cogswell Place	.....	832 77	832 77
Sycamore Street	.....	150 40	150 40
Cypress Street	.....	257 90	257 90
Pemberton Street	.....	1,658 05	1,658 05
Fairfield Street	.....	1,562 48	1,562 48
Richdale Avenue	.....	3,253 35	3,253 35
Herbert Street	.....	456 94	456 94
Rindge Avenue	.....	4,665 47	4,665 47
Haskell Street	.....	879 70	879 70
Buena Vista Park	.....	743 73	743 73
Vandine Street	.....	1,498 33	1,498 33
Hollis Street	.....	1,084 54	1,084 54
Rindgefield Street	.....	300 50	300 50
Rice Street	.....	2,482 03	2,482 03
Upland Road	.....	2,309 56	2,309 56
Mt. Vernon Street	.....	261 35	261 35
Sargent Street	.....	1,203 13	1,203 13
Dudley Street	.....	2,600 11	2,600 11
Reed Street	.....	2,523 70	2,523 70
Harvey Street	.....	1,605 38	1,605 38
Comemrcial Avenue catch-basins	.....	20 58	20 58
Total	$4,502 38	$42,756 55	$47,258 93

PORTLAND STREET TRUNK SEWER.

	4 months	12 months	16 months
Appropriation	$2,612 84	$2,323 45*	$2,612 84
Expended	289 39	.....	289 39
Balance	$2,323 45	$2,323 45	$2,323 45

*Reappropriated.

GATE CHAMBERS.

	4 months	12 months	16 months
Appropriation	$2,168 50	$1,451 94*	$2,168 50
Expended	716 56	1,096 95	1,813 51
Balance	$1,451 94	$354 99	$354 99

*Reappropriated.

SUBWAY CONSTRUCTION.

	12 months	16 months
Appropriation	$7,000 00	$7,000 00
Expended	.....	.....
Balance	$7,000 00	$7,000 00

REVENUE.

Sewer assessments	$3,150 87	
Sundry receipts (maintenance)	152 92	
Total		$3,303 79

METROPOLITAN TAX SEWER.

Appropriation		$99,768 95
Sinking fund requirements	$13,898 89	
Interest account	48,734 35	
Maintenance and operation	37,135 71	
		99,768 95

WATER WORKS.

Water wasted over the Stony Brook Dam as follows:—

December,	1907	452,050,000 gallons
January,	1908	606,500,000 "
February,	1908	631,800,000 "
March,	1908	993,050,000 "
April,	1908	445,850,000 "
May,	1908	199,450,000 "
June,	1908	24,600,000 "
July,	1908	..... "
August,	1908	..... "
September,	1908	..... "
October,	1908	..... "
November,	1908	..... "

The total amount passing the dam during the year 3,353,300,000 gallons.

RELAYING PORTION OF STONY BROOK CONDUIT.

A portion of the 30-inch cast-iron conduit from the Stony Brook Reservoir to Fresh Pond, laid in River Street, near the center of Wal-

tham, was found since the construction of the new concrete conduit, to be above the hydraulic grade line, and was subject to the accumulation of air at the high points, from which the flow of water in the pipe was greatly reduced.

It was decided by the Water Board to lay at a lower grade a new pipe in private lands near River Street and lying between Elm Street and Newton Street. About 1,200 feet of new pipe was laid and about 390 feet of the old pipe was lowered. The work was done by the Superintendent, and the total cost was $11,981.98.

RELAYING SEWERS AT EAST WATERTOWN.

When the new concrete conduit was constructed through East Watertown, it was crossed by two sewers which were passed through the conduit.

The Water Board desired to change this condition and arrangements were made by which the authorities of the Town of Watertown agreed to lower the sewers to pass under the conduit, in accordance with plans agreed upon; the work to be done by the Town of Watertown. This was done late in the fall of 1908. The total cost has been $6,422.91, paid by the Cambridge Water Board.

TABLE SHOWING COMPARISON BY MONTHS OF THE TOTAL PRECIPITATION AT STONY BROOK BASIN, HOBBS BROOK BASIN, HARVARD OBSERVATORY, AND CAMBRIDGE CITY HALL; ALSO, THE NUMBER OF DAYS IN WHICH RAIN FELL AT CITY HALL, DECEMBER 1, 1907, TO DECEMBER 1, 1908.

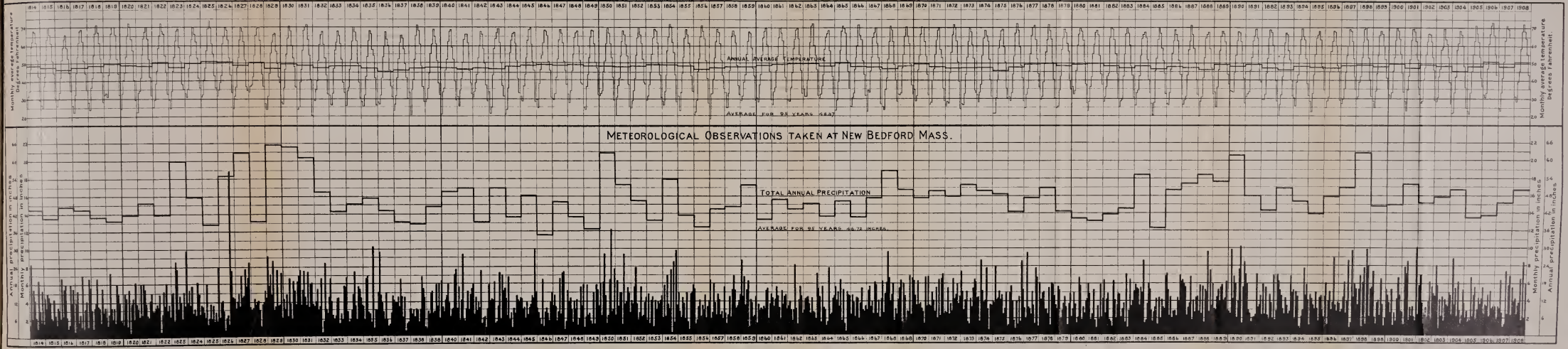
Point of Observation.		1907	1908											
		Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept	Oct.	Nov.	Total.
Stony Brook Basin.	Total Precipitation.	3.84	3.53	4.83	3.67	1.48	4.28	1.25	3.56	3.97	0.87	2.61	1.05	34.94
Hobbs Brook Basin.	Total Precipitation.	2.94	2.95	3.32	2.67	1.40	4.10	1.55	4.17	4.55	0.90	2.75	0.80	32.10
Harvard Observatory.	Total Precipitation.	4.39	3.55	4.83	2.81	1.27	4.00	1.25	3.34	4.01	0.83	3.45	0.88	34.61
City Hall.	Total Precipitation.	4.83	3.25	4.42	3.69	2.33	4.41	1.28	3.81	4.62	0.97	3.72	0.96	38.29
	No. of days in which rain fell.	7	8	9	11	15	8	6	6	8	3	7	9	97

LONG TERM RAINFALL DIAGRAM.

As being of general interest, the diagram showing the temperature and rainfall since 1813 is here inserted.

These observations were taken at New Bedford, Mass., by Mr. Rodman, father and son, and are valuable as being carefully taken and complete. It will be seen from an examination of this diagram that "climate" as indicated by daily average temperature has changed but little in the period given, if a number of years be considered.

More variation in the yearly amount of rainfall is shown by the diagram.



COCKAYNE, BOSTON.

PARK DEPARTMENT.

REBUILDING SEA WALLS ON CHARLES RIVER.

For some time the Park Commission has desired to complete the Esplanade drive and seawall from the end of the old seawall near Fowler Street to Brookline Street.

To carry out the plans of the consulting landscape architects about 450 feet of the old seawall was to be removed and a beach construction substituted. The completion of the dam across the Charles River Basin rendered it necessary to do the work of removal of the old wall before the water was maintained at a constant level, which would submerge the bottom part of the wall.

A large amount of old stone had been placed on the top of the wall to be removed, some years ago.

It was recommended that this old loose stone, together with that from the wall, be used in constructing a return wall opposite Fowler Street, also a section of new seawall running east of Western Avenue for a distance of about 370 feet, and also two wing walls each about 75 feet long, one above Western Avenue, and one below River Street. This would complete all the stone work contemplated on the Charles River Driveway.

A contract was made on September 17, 1908, with George T. Rendle of Boston to remove the old wall and stone; to construct a return wall in place of the old wall removed and also the new seawall and two wing walls above described.

This contract was completed by the contractor on December 23, 1908. Payments have been made as follows:

George T. Rendle, contract	$8,452 00
Inspection	416 00
Labor, excavation, etc.	1,375 45
Teaming	442 50
Lumber, stone, advertising, etc.	201 94
Total	$10,887 89

SUMMARY OF SEWERAGE STATISTICS.

(In form recommended by Sanitary Section of Boston Society Civil Engineers.)

For the period ending April 1, 1909.

CAMBRIDGE, MASSACHUSETTS.

GENERAL.

Population by census of 1905	97,434	
Total area of city or town	6.535	sq. miles
Area served by sewerage system	about 6.00	sq. miles
Collection system, for sewage only	23.64	miles
Collection system, for sewage and surface water	110,353	miles
Collection system, for surface water only	6.340	miles

Method of disposal—discharge into ocean by the Metropolitan (State) sewer.

COLLECTION.

Mains (everything but house and catch-basin connections.)

	For sewage only.	For sewage and surface work.	For surface water only.
Lineal feet extended during the year..	22,003	704.5	1,427.3

Method of flushing.....By use of hydrant hose.
Method of cleaning.....By scraping and flushing.

HOUSE CONNECTION.

By whom made.....By property owners.
Sizes.....6-inch diameter.
Number made during year.....203

CATCH BASINS.

Number	
Number cleaned	2,742
Average amount of material removed per catch-basin	2.15 loads
Cost of removing material per cubic yard	$1 81
Cost of removing material per catch-basin per year	2 92

DISCHARGE OF SEWAGE.

Estimated population using sewer system	97,000
Number of buildings connected (estimated at)	15,174

FINANCIAL.

CONSTRUCTION.

RECEIPTS.		EXPENDITURES.	
Bonds issued	$42,000 00	Collection works:	
Appropriation	70,340 36	(a) Mains	$59,011 15
Assessments not available for expenditure	3,150 87	Balance	11,329 21
	$70,340 36		$70,340 36

MAINTENANCE AND OPERATION.

RECEIPTS.		EXPENDITURES.	
Appropriation	$26,364 73	Administration	$5,637 93
		Repairs	6,935 14
		Cleaning sewers	1,282 58
		Cleaning catch-basins	8,090 67
		Flushing sewers	501 40
		Unclassified expenses	2,547 24
		Balance	1,369 77
Total	$26,364 73	Total	$26,364 73
		Interest on bonds	.....
		Sinking fund	.....

GENERAL.

Total cost of collecting mains	.....
Total cost of works to date	$2,130,126 14
Bonded debt at date	973,000 00
Value of sinking fund at date	.....

Average rate of interest on bonds 3½ per cent.
Proportion of cost of system assessed on abuttors estimated at ¾.
Yearly assessment for maintenance, nothing.
Method of assessing abuttors and rate of assessment, based on frontage and area of lot within 100 feet of street.

The Engineering Department is organized as follows:

City Engineer,

LEWIS M. HASTINGS.

Principal Assistant,

GEORGE DAVIS.

Assistants,

HENRY T. BURRAGE, office assistant and draughtsman
G. FRANK HOOKER, in charge of street work.
FRANK B. WILLIAMS, in charge of sewer work.

Transitmen,

GIDEON H. CLOYES, JR. RAY L. COOLIDGE.

Rodman,

EDGAR W. DAVIS.

Clerk and Stenographer,

MARY E. ROWEN.

Superintendent of Sewers,

THEODORE L. PIKE.

Two temporary assistants in addition have been employed in the department during the summer.

Respectfully submitted,

L. M. HASTINGS,

City Engineer.

TABLE SHOWING RAINFALL AT STONY BROOK BASIN AT WESTON, AT HOBBS BROOK BASIN IN WALTHAM, AND THE CITY HALL AND HARVARD OBSERVATORY, CAMBRIDGE, DECEMBER 1, 1907, TO DECEMBER 1, 1908.

	1907 DECEMBER.				1908 JANUARY.				FEBRUARY.				MARCH.				APRIL.				MAY.				JUNE.				JULY.				AUGUST.				SEPTEMBER.				OCTOBER.				NOVEMBER.				
DAY OF MONTH.	Stony Brook.	Hobbs Brook.	City Hall.	Harvard Observ.	S. B.	H. B.	C. H.	H. O.	S. B.	H. B.	C. H.	H. O.	S. B.	H. B.	C. H.	H. O.	S. B.	H. B.	C. H.	H. O.	S. B.	H. B.	C. H.	H. O.	S. B.	H. B.	C. H	H. O.	S. B.	H. B.	C. H.	H. O.	S. B.	H. B.	C. H.	H. O.	S. B.	H. B.	C. H.	H. O.	S. B.	H. B.	C. H.	H. O.	S. B.	H. B.	C. H.	H. O.	DAY OF MONTH.
1		0.10	0.07	T.					1.07	0.45	0.75	0.60	0.38	0.42	0.40	0.42					0.56	0.45	0.23	0.52	0.15		0.13	0.08													0.35							1
2												0.90	0.46	0.38	0.58	0.31	0.17	0.15	0.15	0.14																	0.30	0.35	0.39	0.57						2
3																					0.06			0.01																						3
4	0.20	0.14	0.12	0.16	0.04	0.10	0.03	0.04																		0.05		T.	0.41	0.22	0.25	0.26	0.36		0.14	0.09												4
5											0.14						0.10		0.10	0.10													0.25	0.75	0.50	0.25												5
6									0.32	0.15	0.36	0.36	0.36	0.32	0.34	0.33	0.05	0.15	0.05	0.03													0.33	0.35	0.30	0.15	0.13	0.20	0.10	0.08										6
7					1.44	1.15	1.44	1.53								0.01							1.93	2.15									0.74	1.45	1.80	1.67									0.01		7
8													0.09		0.09	0.08	0.42	0.45	0.45	0.33	1.50	1.30	0.45																				0.14	0.05	0.05	0.07	8
9																			0.10		0.02	0.15	0.31	0.09																					0.02	9
10	1.22	0.85	1.80	1.25														0.05																												T.	10
11																			0.04	0.04													0.07			T.					0.16	0.20	0.14	0.17	0.25	0.12	0.14		11
12					1.00	0.90	0.78	0.98				0.09							0.03	T.													0.22			0.17												12
13					0.15		0.04			0.25	0.24		0.12		0.35	0.15			0.03		0.09								0.06			T.	0.06		0.06												13
14	1.00	0.60	1.07	1.51					0.45		0.14	0.31							.		0.31	0.35	0.29	0.25					0.19	1.15	0.15	0.13											0.10		14
15	0.10	0.05	0.16	0.09					0.69	0.60	0.69	0.50	0.27	0.15	0.13	0.26	0.35	0.30	0.39	0.29									0.11	0.15	0.07	T.											0.46	0.50	0.43	0.58	15
16						0.10	0.03																		0.76	0.70	0.72	0.56																		16
17														0.10	0.10	0.11													0.08	0.10		0.05	0.42	0.45	0.19	0.16											17
18								0.09							0.30	0.30	0.31	0.25	0.30	0.33									0.26	0.35	0.35	0.28										0.08	0.08	0.05	18
19									1.42	1.05	1.31	1.22	0.94	0.65	0.45	0.43			0.10												T.											0.08		0.07		19
20																			0.03																							0.05		0.03	0.10	20
21																						0.10	0.26	0.27																						21
22																					0.41	0.35	0.05	T.					0.66	0.70	0.99	0.75	0.23	0.35	0.25	0.18											22
23	0.70	0.70	0.91	0.75					0.14	0.12	0.10	0.06	0.19	0.20	0.18	0.17										0.05			0.09																		23
24					0.40	0.20	0.39	0.37									0.05								0.27	0.30	0.23	0.20																		24
25								0.21				T.																	1.70	1.50	2.00	1.87											0.03				25
26																	0.03		0.08	0.01													1.29	1.20	1.38	1.34					0.83	0.80	1.29	1.23	0.07	0.05	0.03	0.05	26
27					0.50	0.40	0.40	0.42	0.74	0.70	0.69	0.70																																			27
28																		0.05	0.10								0.05										0.17			0.06	0.09						28
29						0.10	0.14	T.					0.86	0.45	0.77	0.24									0.07	0.45	0.05	0.41									0.74	0.70	0.70	0.75	0.23	0.55	0.64	0.59					29
30	0.62	0.50	0.70	0.63															0.38								0.10												1.09	0.85	0.85	0.80					30
31																					1.33	1.40	0.89	0.71																							31
	3.84	2.94	4.82	4.39	3.53	2.95	3.25	3.55	4.83	3.32	4.42	4.83	3.67	2.67	3.69	2.81	1.48	1.40	2.33	1.27	4.28	4.10	4.41	4.00	1.25	1.55	1.28	1.25	3.56	4.17	3.81	3.34	3.97	4.55	4.62	4.01	0.87	0.90	0.97	0.83	2.61	2.75	3.72	3.45	1.05	0.80	0.96	0.88	

REPORT OF THE ELECTRICAL DEPARTMENT.

To the Honorable, the City Council of the City of Cambridge:—

GENTLEMEN:—I submit herewith the tenth annual report of the Electrical Department, including also the report for the period of four months from December 1, 1907, to March 31, 1908. All figures and tables are given for the two periods and also for the period from December 1, 1907, to November 30, 1908, to enable comparisons to be made with former years. The text is not separated for the different periods.

The efficiency of the Fire Alarm and Police Telegraph Department is now at the highest point possible under the conditions imposed by the apparatus which we possess together with overhead lines. Nevertheless, there is much to be desired in the way of both apparatus and lines for this department, particularly the Fire Alarm System, which should be as reliable as it is possible to make it.

The Inspection of Wires has for a little more than a year been carried on properly for the first time since the beginning of the department. Unfortunately, however, it became necessary in December to suspend the assistant inspector on account of lack of appropriation, and this branch of the department is again in the condition where it is impossible to do all the work that presents itself as it should be done.

The Street Lighting Department has given exceptionally good satisfaction this year. A change in the type of lamp for incandescent lighting has been made with good results, and at a materially reduced price. No new lamps were added, however, until close to the end of the fiscal year, the Finance Committee being loath to recommend any orders for new lamps until a few weeks before the end of the year, although there was sufficient funds in the appropriation for street lighting to pay for them.

A detailed account of the various branches of the Electrical Department follows:

INSPECTION OF ELECTRICAL WIRING IN BUILDINGS.

Up to November, 1907, owing to the pressure of work on the City Electrician, only new installations and large and important additions and alterations to already existing installations could be inspected. No time could be given to inspecting minor additions and alterations nor to reinspecting old installations. In fact, in order to

do all the inspecting that had to be done it was necessary to use one of the men from the Fire Alarm Department to a considerable extent, although he could not well be spared from that department. One of the men employed when the so-called "eight-hour law" went into effect in the department was detailed for inspection work, and since his employment in November, 1907, until we were forced to suspend him in December, 1908, on account of lack of funds, practically all his time was devoted to interior inspections. All the work for which notices were received was inspected for the first time in the history of the Department and many re-inspections of old work were made as well.

With the assistance of an inspector of the New England Insurance Exchange reinspections were started in December, 1907, on all the installations in mercantile buildings, manufactories and stores. As may be expected, many serious defects were found in the wiring in these buildings and notices of these defects were sent in each case to the owners. The Department was conservative in its rulings and did not condemn work or materials that were considered safe and in good condition, even though they did not conform to the present requirements. The object of the reinspection was not to cause all wiring to be brought up to present requirements, the cost to do this in many cases being prohibitive, but merely to make everything safe from the point of view of danger to life and property, although, of course, all changes were made according to the present regulations. Most of the defects were remedied within a reasonable time; many still exist, however, but they will no doubt be remedied within the coming year, except in such cases where the use of the wiring may be discontinued. Installations that are disconnected cannot be reconnected until the defects are remedied.

Dwelling houses, city property and the college buildings still remain to be reinspected, but this work cannot be done without assistance. This work is fully of as great importance as inspecting new installations. As a matter of fact, greater danger results from old wiring when there exist defects due to long-continued use, accidents and unskilful alterations and additions, than from new work where all the conditions, including the advantage of up-to-date materials, may reasonably be expected to be first-class. A comparison of the number of defects found in the reinspections relative to the number of inspections, with the number of defects found in new work, shows conclusively the greater danger that exists in old wiring.

	Number of installations	Number of inspections	Number of defects	Average defects per installation
New inspections . .	351	732	287	0.8
Reinspections . . .	509	1,268	1,997	3.9

In other words, compared with the number of installations inspected there were nearly five times as many defects found in the old wiring that was reinspected as in the new work.

The comparison is the more detrimental to the old wiring when it is considered that many of the defects in the new work are minor violations of the requirements to which attention is called in order that the installation may be as perfect as possible at the beginning, while nearly all the defects in old work are serious and materially effect the safety of the installation.

In view of the importance of this work I trust that a sufficient salary appropriation will be given to enable the assistant inspector to be reinstated.

A slight increase in the number of inspections was made this year. The old difficulty of getting notices of work done still exists, however, and I trust that the incoming city government will co-operate with the Department in providing regulations to ensure that information relative to all wiring for heat, light or power be given to the City Electrician.

No fires caused by electric wiring have been reported to this Department during the period covered by this report.

Following is a table of inspections of interior wiring:

TABULATION OF INSPECTIONS OF INTERIOR WIRING.

	Dec. 1, 1907, to Mar. 31, 1908	Dec. 1, 1907, to Nov. 30, 1908	Apr. 1, 1908, to Mar. 31, 1909
Number of inspections . . .	294	881	732
Number of installations inspected .	141	389	351
Capacity 16 C. P. inc. lamps installed .	5,640	11,387	10,007
Capacity Nernst lamps installed (glowers)	84	105	....
Capacity low potential arcs installed .	11	54	132
Number of power motors installed .	39	115	102
Horse power of motors installed . .	475	967	818
Number of generators installed . .	...	1	1
K. W. capacity of generators installed .	...	3.5	3.5
Number of defects noted . . .	169	408	287
Number of unfinished inspections .	...	...	18
Number of reinspections .	...	...	1,268
Number of installations reinspected .	...	...	509
Number of defects in installations reinspected	...	...	1,997

INSPECTION OF OUTSIDE WIRES AND POLES.

A great deal of work has been done in this direction during the past sixteen months, especially in relation to poles. Although we have had no very bad storms, an unusually large number of hard pine poles were found broken off at the surface of the ground. Many other hard pine poles were found on inspection to be unsafe and new poles were set, the renewals being with round chestnut poles in a large percentage of total.

The following number of permits were granted to renew poles:

	Dec. 1, 1907, to Mar. 31, 1908	Dec. 1, 1907, to Nov. 30, 1908	Apr. 1, 1908, to Mar. 31, 1909
C. E. L. Co.	28	227	218
N. E. T. & T. Co.	3	16	13

On July 3, 1908, a hard pine pole belonging to the Cambridge Electric Light Company and located on Harvard Street near Inman Street fell into the street, striking the automobile of Mr. George Sawyear, breaking one of Mr. Sawyer's ribs and otherwise bruising him. The front of the machine was badly demolished. The pole was cemented at the surface of the ground and broke off from six to ten inches below the surface. It had been tested within a month previous and found apparently in good condition. A telephone cable placed on the pole the day of the accident was probably the immediate cause of the break.

Much attention has been paid during the past year to the lines of the New England Telephone and Telegraph Company with a view to having aerial cables substituted for open wire where the cross arms were overloaded. Aerial cables have also been run in several cases to provide facilities for subscribers where pole locations could not be obtained. Sixty permits have been granted during the past sixteen months to run cables. Open wiring could be eliminated on several streets where it now exists if the telephone company would provide underground cable terminals to reach the subscribers, and negotiations to accomplish this result have been going on for some time.

After nearly three years of correspondence and conferences the telephone company has agreed to rebuild the pole line on Sidney Street. This line has been an eyesore and a bone of contention since March, 1906. At that time the telephone company, prompted by the request of the City Electrician to rebuild the line, applied for new pole locations, but, on account of a discussion which arose over the form of

acceptance, the locations were never accepted by the company. Except for some minor repairs the line has remained in the same condition since then, but the company has now agreed to renew the poles and bring them out to the curb and to run a new overhead cable.

The controversy between the telephone company and the city in relation to the character of the acceptance for locations is not yet settled. I trust that an agreement may soon be reached in order that work which has been delayed on account of this difficulty may be done as soon as possible.

The Cambridge Electric Light Company has during the past year pulled cable into its newly-laid conduit, and has cut it into service sufficiently to enable it to take down its overhead wires on the following streets: DeWolf Street, Mt. Auburn Street from DeWolf Street to Brattle Square, Boylston Street from Mt. Auburn Street to Harvard Square, Brattle Square, Brattle Street between Brattle Square and Harvard Square, Harvard Square to Cambridge Common, Western Avenue, and from several poles on adjacent streets. The company has informed me that this work will be pushed vigorously from now on. The removal of the C. E. L. wires will make a marked difference in the appearance of many of our streets. In most cases their poles will have to remain until the city wires are placed underground, and when this is accomplished the appearance of the streets will be greatly enhanced.

The number of permits granted to run wires is as follows:

	Dec. 1, '06, to Nov. 30, '07	Dec. 1, '07, to Mar. 30, '08	Dec. 1, '07, to Nov. 30, '08	Apr. 1, '08, to Mar. 31, '09
New Eng. Tel. & Tel. Co.	720	246	734	705
Camb. Elec. Lt. Co.	2	5	6	10
Boston Elev. Ry. Co.	2	0	0	0
American Dist. Tel. Co.	0	1	1	1
Postal Tel. Cable Co.	0	0	0	4
Totals	724	252	741	720

POLICE SIGNAL SYSTEM.

The operation of this system has been more successful during the past sixteen months than heretofore. This increase in the efficiency of the Police Signal System is due largely to the better condition of the outside lines, although no small part may be accounted for by the far less number of reports of trouble that were caused by ignorance of the apparatus on the part of the police. The scattered condition of the system, the station apparatus being in three widely separated build-

ings, makes the work of testing for and repairing trouble much slower, and the cost of maintenance much greater than if all the circuits centered in one station. In this connection I desire to quote from last year's report.

"The system as it exists in Cambridge is costly to maintain on account of being composed of three units not connected in any way. There is no way in which police headquarters can get into direct communication with a patrolman on the street except in District Two. Better results for both the Police Department and the Electrical Department could be obtained at a less cost for maintenance by centralizing the apparatus now in the three stations at police headquarters, and connecting each station to headquarters with a telephone and a wagon call circuit. The officers in charge of the stations could then communicate with their men from their desks more conveniently than at present, when they must go to the operator's table, and the wagon calls could be sent just as expeditiously, since the only operation involved in any case is the movement of the transmitter lever, and the length of the circuit does not enter into the time of transmission of the signal. I submit this proposition for consideration when the city wires are placed underground, which, according to the indications, will be very soon."

The three boxes purchased late in 1907 were installed early in 1908 in the following locations in District One:

Corner of Forest Street and Oxford Street.
Foot of Regent Street.
Corner of Harvey Street and Clifton Street.

Six more new boxes were also installed in District One:

No. 231 Cor. Appleton and Highland Streets.
No. 232 Cor. Huron and Lakeview Avenues.
No. 241 Cor. Belmont and Bird Streets.
No. 251 Cor. Huron and Park Avenues.
No. 321 Cor. Garden and Shepard Streets.
No. 421 Cor. Oxford and Everett Streets.

It is hoped that next year twisted pair wire may be run for the telephones on Circuit One, District One, as has been done with the other three circuits in this district, in order to elminate the noise caused by induction at night.

The amount of wire renewed in the Police Signal System is included under "Construction Work."

The equipment is practically the same as for past years:

Three station equipments.
Two patrol wagon house equipments.
Eighty-nine street boxes.
Five station private magneto telephone system.
Sixty miles of circuit.

FIRE ALARM SYSTEM.

Considering the conditions, the operation of this system has been very gratifying since the last report. The troubles on the outside lines have decreased in number to a great extent, and such as have occurred have been as a rule of lesser consequence than in previous years. This condition is to be expected on account of the amount of old wire replaced during the past six years and the attention that has been given to the apparatus in the Fire Department houses and to the whistle and striker apparatus. The troubles on the office apparatus have increased, however, and are likely to increase further until a new equipment is provided. Three alarms were transmitted to the Fire Department incorrectly during the past year on account of failure of some part of the transmitting apparatus. The slow time repeater particularly has given trouble, failing repeatedly on the noon blow, curfew and alarms. The fast time repeater failed once, and the transmitter also failed once. While fortunately no great damage resulted from these failures, the near possibility of serious danger is too great to countenance without action to provide better apparatus in the near future. During the past year, the Committee on Wires and Lamps visited Lynn, Brockton and Worcester to inspect their fire alarm systems. An inspection of the Cambridge fire alarm apparatus afterward convinced the committee of the backwardness of our office apparatus, and they felt that an appropriation should be made to purchase a new outfit. On account of the condition of the finances, however, the recommendation was not made, the committee having felt that it was better not to introduce an order than to do so and have it rejected. I trust, however, that such an order may be considered this year.

Since the conflagration in Chelsea last April, the question of a universal system of signalling for assistance at fires in the Metropolitan District has been considered seriously by the fire chiefs and superintendents of fire alarm. After much thought and consideration a very comprehensive system has been devised whereby circuits running from Boston will connect all the cities and towns. By the use of proper transmitters, calls for help will be sent to Boston, and at the Boston Fire Alarm Headquarters the signals will be repeated to every city and town in the same manner and with the same speed and accuracy that an alarm of fire is sent throughout the city at present. The proper arrangements having been made by the chiefs of the fire departments for answering these calls, the system is calculated to cover a long-felt want. The method in vogue at present of using the telephone to call

outside help is slow and uncertain, and the probability of mistakes occurring, as well as the loophole it leaves for unauthorized calls, makes this use of the telephone unreliable and inadvisable. The cost of installing the apparatus and running the necessary wire will be about $1,500, and when the time comes to act I trust that Cambridge will be among the first to install the system.

Cambridge and Somerville are already connected by means of gongs in the Fire Alarm office, and in the engine houses near the boundary line between the two cities, and plans are now under way to connect Cambridge and Brighton in a similar manner.

The necessary work for changing the numbers of the fire alarm boxes as suggested in my last year's report has gone on as far as possible during the past sixteen months, although no appropriation was made for it. The cost of the box wheels and transmitter wheels was too great to consider buying the wheels, therefore castings were bought and the work of cutting the wheels has been done as the opportunity offered. This delayed the change somewhat, but if the wheel breaks and number plates can be purchased early next year I expect to be able to begin changing the box numbers in time to finish the work this summer.

On account of the placing of the wires underground by the Cambridge Electric Light Company it has become necessary to make other arrangements than the present for the charging current for our fire alarm batteries. Heretofore a special wire from the exciter at the Cambridge Electric Light station has been used for this service, but this wire now must be removed. The Cambridge Electric Light Company has voluntarily provided for the use of the city a 1¼ K. W. 500-125 volt motor generator to be connected to their 500-volt motor circuit. This will soon be installed at the Fire Alarm office, and when connected up will furnish sufficient current for charging all our batteries for years to come.

No important additions or alterations have been made other than the usual repairs and renewals and the small amount of wire added for new boxes and tappers as described under the head of "Construction Work."

The following new boxes have been added:

Box 521 Boston Book Binding Company, Arrow St.
Box 254 First World's Shoe and Leather Fair Building, Esplanade.
Box 321 Library Bureau, Albany Street.
Box 711 American Circular Loom Company, Clarendon Avenue.
Box 742 Metropolitan Coal Company, Railroad Street.
Box 196 North Packing and Provision Company, Medford Street, Somerville.

Box 212 Porter Street, corner Bedford Street.
Box 453 Putnam Avenue, corner Magee Street.

All but the last two are private boxes. Numbers 711, 742 and 196 are A. D. T. installations and no boxes connected with the Cambridge box circuits are in these locations.

Following are a few statistics of the system:

Central Station equipment	1
Fire alarm boxes on the street	112
Fire alarm boxes on private premises	39
Fire alarm boxes with keyless doors	72
Fire alarm boxes with glass key boxes	22
Length of circuit wires in system, in miles	112
Tower bells connected with system	10
Steam whistles connected with system	3
Tappers in firemen's houses	59
Tappers in factories where firemen work	8
Tappers in Electrical Department men's houses	3
Tappers in Fire Department houses	17
Tappers others than above	13
Telephones connected with the system	23
Number of bell alarms for fire sounded during the past year	318
Number of bell alarms from Dec. 1, 1907, to Mar. 31, 1908	83
Number of second alarms from Dec. 1, 1907, to Mar. 31, 1908	1
Number of bell alarms from Dec. 1, 1907, to Nov. 30, 1908	301
Number of "no school" alarms sounded during the past year	7
Number of "no school" alarms—Dec. 1, 1907, to Mar. 31, 1908	4
Number of "no school" alarms—Dec. 1, 1907, to Nov. 30, 1908	4
Number of still alarms reported during the past year	82
Number of still alarms reported—Dec. 1, 1907, to Mar. 31, 1908	25
Number of still alarms reported—Dec. 1, 1907, to Nov. 30, 1908	77

The inventory of the Fire Alarm and Police Telegraph Systems is as follows:

Fire alarm apparatus and machinery	$11,300 00
Fire alarm and police telegraph circuits	5,500 00
110 fire alarm boxes	7,920 00
Police signal apparatus and machinery	3,000 00
89 police boxes	9,350 00
Police signal reserve apparatus	150 00
Testing instruments	450 00
Tools	250 00
Stock on hand	300 00
Old and disused apparatus	150 00
Horses, wagons and harnesses	650 00
Building in Cushing School yard	400 00
	$39,420 00

CONSTRUCTION WORK.

About twenty-one miles of covered iron wire and 10,000 feet of twisted pair copper wire were used in the Fire Alarm and Police Signal Systems during the past year. About three and one-half miles of iron wire and 7,500 feet of twin wire were used in installing new

boxes and making repairs. About another year will clean up all the unsafe wire in the two systems provided the work can be done at the same rate as in the past. After this is done the amount of wire to be renewed each year will be small, and the time heretofore given to this work can be used to good advantage in bettering the wiring and apparatus in the fire department houses and in the striker and bell towers, most of which should be thoroughly gone over and replaced with new and improved material.

The changing over of our wires on the defective poles of the Cambridge Electric Light Company and the New England Telephone and Telegraph Company that were replaced has taken a great deal of time and labor every year. This was especially the case this year on account of the large number of poles renewed, on most of which our wires are supported. There will continue to be a great amount of this work every year until the number of hard pine poles is materially decreased and the use of chestnut poles becomes more general.

The usual amount of repair work on the telephones, bells and batteries in the schoolhouses was done as in former years. The batteries in the Houghton School and the telephones in the Latin School have given evidence several times of having been tampered with. It is hoped that keeping the door of the room containing the batteries in the Houghton School locked will remedy the difficulty there, but the conditions at the Latin School with reference to the telephones make it almost impossible to keep the system in running order. The terminals are exposed on a wooden block under each teacher's desk and offer a great temptation to pupils to interfere with them, and the teacher's chair is frequently pushed against the terminals, breaking them off and affecting the service. Recently two of the instruments were taken away bodily, the cords having been cut with a knife or other sharp instrument. Then, too, the wiring is in poor condition, and in many cases should be renewed. I recommend to the School Committee that this telephone system be thoroughly overhauled and put into good condition and installed so that it cannot be easily interfered with.

STREET LIGHTING.

For the third consecutive year no contracts for Street Lighting have been made on account of an insufficient appropriation to cover the amount of the contracts. The Cambridge Electric Light Company and the Welsbach Street Lighting Company have, however, continued to maintain their street lamps under the same conditions as for last

year, except for another reduction by the Cambridge Electric Light Company and a change in the type of lamp for incandescent lighting. As soon as the efficiency of the new Tungsten lamp became well established the Cambridge Electric Light Company installed several for the purpose of trial and observation. It was found that this type of lamp furnished greater illumination than the carbon filament lamp, maintained its candle power better on account of a lesser blackening of the bulb, and burns with a whiter and more pleasing light. Negotiations entered into with the company resulted in an agreement to substitute the Tungsten lamp for the carbon lamp gradually, with an immediate reduction in the cost to the city of $5.00 per lamp per year, making the cost $25.00 compared with $30.00 before. The reduction dated from July 1, 1908, and resulted in a saving of about $1,750.00 up to the end of the fiscal year. Next year the saving will be about $2,300. Up to April 1, 1909, 350 Tungsten lamps have been installed for street lighting, and their substitution for the carbon lamps will go on until they are used in every location for incandescent lighting.

Part of the saving made by the above reduction was used to purchase an automobile for the City Electrician at a cost of $950, the horse formerly used being sold at the same time. The automobile has increased the City Electrician's efficiency greatly in connection with every part of the work of the Electrical Department. In the Street Lighting Department especially it enabled him to go about the streets at night to observe and make note of the condition of the street lights and the necessity of lamps where streets are poorly lighted. It was impossible to use the horse for this purpose after working him all day, and doing it on foot was not conducive of results worth the effort. On the nights when observations of the street lights were made, 102 lamps, both gas and electric, were reported out or deficient in candle power which were not reported by the police. Most of the outrages were on streets probably not visited frequently by the police. All lamps reported not up to candle power were promptly renewed and this resulted in a decrease in the number of outrages. It is not part of the police duty to report lamps that are deficient in candle power.

Six of the arc lamps to be maintained by this Department are located on the so-called Prison Point Street Bridge. These lamps were located by the Bridge Commissioners in October, 1907, under a misapprehension as to their authority over the structure, although no question of the responsibility for their maintenance arose until later. During the past summer the City Solicitor decided that the structure being an elevated street and not a bridge, the maintenance of the lamps

should be assumed by the Street Lighting Department. The Bridge Department having asked for and received an appropriation in the annual budget to pay for the lamps, and there being none available in the Street Lighting Department, the question arose whether the Bridge Department should not furnish a sufficient amount to pay the cost of the six lamps up to April 1, 1909. It was finally decided to transfer $750.00 to the Street Lighting Account to meet the bill, which amounted to $742.50. This was done and the maintenance of these lamps will be met hereafter by the Street Lighting Department. I believe and recommend, however, that the City Council should pass an order locating the six lamps on the structure.

The number of lamps maintained by the City on the streets is as follows:

	Nov. 30, '07	Mar. 31, '08	Mar. 31, '09
Arc lamps	624½*	623½*	629½*
Incandescent lamps	445	445	444
Welsbach gas lamps	360	360	363
Totals	1,429½*	1,428½*	1,436½*

*Half the expense of one arc maintained by private party.

Following is a brief financial statement and the inventory of the Street Lighting Department. A more detailed financial account may be obtained from the Auditor's report:

	Dec. 1, '07, to Nov. 30, '08	Dec. 1, '07, to Mar. 31, '08	Apr. 1, '08, to Mar. 31, '09
Appropriation for salaries	.....	$333 33	$1,000 00
Appropriation for other expenses	.....	26,716 11	80,050 00*
Principal items of expense:—			
Arc lighting	$55,962 70	18,608 26	56,752 05*
Incandescent lighting	12,453 89	4,429 92	11,705 61
Welsbach gas lighting	9,933 06	3,325 66	10,220 92
Salary of Superintendent	999 96	333 32	1,000 00
Expense for street lighting:—			
ARC LAMPS.			
Bills rendered	$56,073 49	$18,663 49	$56,857 50*
Deduction for outage	110 79	55 23	105 45
Expended	$55,962 70	$18,608 26	$56,752 05*
INCANDESCENT LAMPS.			
Bills rendered	$12,506 99	$4,452 65	$11,754 34
Deduction for outage	53 10	22 73	48 73
Expended	$12,453 89	$4,429 92	$11,705 61

WELSBACH GAS LAMPS.

Bills rendered	$9,965 02	$3,347 42	$10,244 45
Deduction for outage	31 96	21 76	23 53
Expended	$9,933 06	$3,325 66	$10,220 92

The number of hours in which one or more lamps failed to burn was:—

Arc lamps	3,693	1,841	3,515
Incandescent lamps	5,310	2,273	4,873
Welsbach gas lamps	3,196	2,176	2,353
	12,199	6,290	10,741

*$742.50 for six arcs on Prison Point Street bridge from October 14, 1907, to March 31, 1909.

INVENTORY OF LAMP DEPARTMENT.

361 lamp posts	$3,610 00
Office furniture	275 00
Stock on hand (old and disused)	100 00
Automobile	950 00
	$4,935 00

RECOMMENDATIONS.

On the whole, the recommendations that have been made in past years with reference to the Electrical Department have involved radical changes and large expenditures of money. The needs of the city in connection with the Fire Alarm System and the Police Signal System, particularly the former, are so urgent, however, that, since no action has been taken by the City Government to allow these recommendations to be carried out, I must in justice to the department and to myself, practically repeat these recommendations again this year, with the hope that the interest which prompted the Committee on Wires and Lamps to investigate the conditions of this and other systems last summer will be renewed and will extend throughout the City Government.

The Committee on Wires and Lamps visited the cities of Lynn, Brockton and Worcester to inspect their Fire Alarm Systems. After a somewhat exhaustive investigation in these cities the committee made an equally complete study of the conditions in our Central Office and the members unanimously agreed that Cambridge could not too quickly provide a new office equipment. Action was delayed, however, on account of the belief that it would be impossible under the conditions

that existed to get an appropriation through the City Council and that an unsuccessful attempt might prejudice the case. I trust and recommend that next year the conditions be investigated thoroughly and that the purchase of new apparatus will become a reality. I have no doubt that a personal knowledge of the conditions of the present apparatus will prompt a belief that an appropriation for new apparatus should be forthcoming.

Although the City has at its disposal for its own use a duct in every street where conduit has been laid, practically none of the city wires have been placed underground. All that is necessary is the wire to go into the conduit, the labor and the accessories to bring the wires to the boxes and other points where they must come up from the underground. The working force of the department cannot cope with a great amount of this work at one time while carrying on the other necessary work of the Fire Alarm and Police Signal Systems, and on this account it is inexpedient to provide for much undergrounding in one year. The Cambridge Electric Light Company in connection with putting its wires underground, has taken or will soon take down its wires on the poles on the following streets: DeWolf Street, Mt. Auburn Street from DeWolf Street to Brattle Square, Boylston Street from Mt. Auburn Street to Harvard Square, Brattle Square, Brattle Street between Brattle Square and Harvard Square, Harvard Square to Cambridge Common, Western Avenue, and from several poles on adjacent streets, and this work will continue for several years on other streets, but since the city wires are run on these poles they must remain standing. The Cambridge Electric Light Company will no doubt object to maintaining these poles indefinitely for the City and unless the City puts its wires underground on these streets, provision must be made for maintaining and erecting poles. This will be so costly, involving as it will, a pole yard and the purchasing of poles and of appliances for erecting them, that the money that such a course would cost would far better be spent for materials for going underground. In view of all these facts I recommend that an appropriation of $5,000 be provided next year for underground wire and other materials.

Co-existant with a new office equipment and the placing of the wires underground is the question of the building for the Fire Alarm office. The present quarters in the Brattle Square Building compare favorably with the apparatus installed there, but the building is wholly unsuited for the purposes of a Fire Alarm office. The building is in a sufficiently good location and the amount of room is sufficient, except for the fact that there is no suitable cellar for a stock-room, but the

lack of fireproof qualities of the building menaces the whole Fire Alarm System and also the Police Telegraph System for District 1.

After an appropriation is made for a new office equipment it will take about a year to have the apparatus made, so that suitable quarters may be provided if a beginning is made soon enough, but if anything is to be done about placing the wires underground the location of the Fire Alarm office should be determined in order that the wires, once underground, would not have to be disturbed.

The desirability of moving the office of the City Electrician to the Fire Alarm Headquarters becomes more apparent each year, and I trust that it may be accomplished early next year.

I desire to express my sincere thanks to His Honor, the Mayor, and to the Committee on Wires and Lamps for the courtesy and consideration shown me during the year.

Respectfully,

TIMOTHY C. O'HEARN,

City Electrician.

REPORT OF THE SUPERINTENDENT OF PUBLIC BUILDINGS.

To the Honorable, the City Council of the City of Cambridge:—

GENTLEMEN:—As required by ordinance I submit the following report of the Building Department for the period of December 1, 1907, to March 31, 1909.

In accordance with an order of the City Council approved April 1, 1907, a commission was appointed by His Honor, the Mayor, to prepare a revision of the building ordinance for the city. This commission, after several months of careful deliberation, reported an ordinance which, after amendment in a few minor points by the Committee on Public Property and Committee on Ordinances sitting jointly and to whom the report had been referred, was adopted by the City Council and approved by His Honor, the Mayor, on January 2, 1908, to take effect March 1, 1908. During the past year the work of the Department has been performed in accordance with the new ordinance, and ample time has been afforded in which to observe its effect upon building operations. After careful observation I have failed to discover any amendments which I care to recommend. It is my opinion that the change has been beneficial to the city, no citizen has been inconvenienced, and the erection of all classes of buildings, especially of manufacturing buildings, of which many have been built under this ordinance, and many more are in process of construction, has been greatly facilitated.

The city is to be congratulated upon having secured the valuable services of the gentlemen who drafted the present law, which has proved during the past year to be all that was expected of it, to reiterate, namely: to encourage new building and at the same time to fully protect the interests of the city and the lives and property of the citizens.

Following is a brief description of work done on city buildings and recommendations in connection therewith.

CITY HALL.

On July 31, 1908, bids were received for painting and decorating the interior of City Hall, and the contract awarded to James I. Wingate & Son, the lowest bidders. The walls of the entire building, except the Council Chamber, were cleaned and painted, the ceilings

tinted, and the woodwork varnished. The work was badly needed, nothing having been done in this line since the erection of the building. The work was well done and the building now presents a good appearance, which with proper care should last for several years. The Council Chamber should receive attention this year.

I again call your attention to the need of fireproof vaults for the use of various city departments at City Hall for the storage of valuable records. I would recommend that action be taken to provide vaults as soon as possible.

The elevator at City Hall is worn out and expensive to maintain. I, therefore, recommend that it be replaced by a modern electric elevator more conveniently located. The present shaft could well be utilized for fireproof vaults.

I desire to call attention to the need of additional means of egress and improvement in the existing means of egress from this building. Complaint having been made concerning this matter to the District Police, I received notice that additional means of egress should be provided. I recommend that the work be done this year.

CENTRAL SQUARE BUILDING.

Temporary repairs have been made on the roof of this building, which was damaged by fire. This building should be remodelled according to plans which are on file in this office, to provide suitable accommodations for the Police Department, of which they are in great need, and offices for other departments not now properly provided for.

BRATTLE SQUARE BUILDING.

Changes are needed in this building to better accommodate the Fire Department. An additional boiler should be installed to properly and economically heat the rear portion of the building occupied by the ladder company. The present boilers are inadequate and have to be forced in order to do the work. The exterior woodwork should be repaired and painted. Part of the building has pile foundation and has settled somewhat from the decaying of the tops of the piles. I have observed this condition for some time, and I find that it is now necessary to make some repairs on this foundation to prevent further and serious settlement. Similar work was done on another part of the building five years ago, when eighteen inches of the tops of the piles were found defective.

STATION THREE BUILDING.

The upper floor of this building was leased to Post 57, G. A. R., by order of the City Council and an appropriation of $400 was made to fit it up for their occupancy. The work was finished late in the year and now affords suitable accommodations for the post.

In general the usual ordinary repairs have been made on the various city buildings. The heating plants require constant attention, as they are now fast wearing out, and the time is not far distant when the boilers will have to be replaced.

CITY BUILDINGS—CARE and REPAIR, DECEMBER 1, 1907, to APRIL 1, 1908.

NAMES	FUEL			REPAIRS			SUPPLIES				Sundry Labor	Extra Help	Janitors	Totals
	Coal	Charcoal	Wood	On Building	On Furniture	On Heating App'ts	Furniture	Gas	Electric	Sundries				
Brattle Sq. Bldg...	$807 72	.....	.....	$511 29	.....	.....	$5 50	$201 15	$57 32	$6 40	$10 00	$324 00	$272 00	$2,195 38
Central Sq. Bldg..	411 40	.....	.....	60 67	$1 00	.....	.....	.....	.....	4 00	12 00	289 00	272 00	1,050 07
City Hall.....	904 60	.....	.....	165 60	83 69	$205 86	65 00	18 45	505 80	134 43	54 34	2,332 49	391 00	4,861 26
Station 3 Bldg.....	187 84	.....	.....	54 28	.....	.....	.....	11 34	.....	.....	5 00	.....	238 00	496 46
Station 4 Bldg.....	39 58	.....	.....	47 61	11 30	.....	.....	.....	4 52	39 04	5 00	.....	238 00	385 05
Totals.....	$2,351 14			$839 45	$95 99	$205 86	$70 50	$230 94	$567 64	$183 87	$86 34	$2,945 49	$1,411 00	$8,988 22

CITY BUILDINGS—CARE and REPAIR, APRIL 1, 1908, to MARCH 31, 1909.

NAMES	FUEL			REPAIRS			SUPPLIES				Sundry Labor	Janitors	Totals
	Coal	Charcoal	Wood	On Building	On Furniture	On Heating App'ts	Furniture	Gas	Electric	Sundries			
Brattle Sq. Bldg.....	$1,270 34	.....	.....	$279 63	$2 26	$104 76	.....	$395 64	$139 48	$46 63	$18 53	$1,504 57	$3,761 84
Central Sq. Bldg.....	670 56	.....	$4 13	626 80	.....	13 52	.....	8 82	.....	31 30	.....	1,360 60	2,715 73
City Hall.....	1,677 21	.....	.....	2,936 44	158 16	285 58	$95 00	60 21	1,019 69	343 47	197 72	7,454 82	14,228 30
Station 3 Bldg.	359 49	.....	.....	293 85	.....	77 92	.....	10 89	.....	.....	.....	728 00	1,470 15
Station 4 Bldg.....	217 74	.....	.....	85	.....	15 14	.....	.....	10 92	2 00	.....	728 00	974 65
Totals.....	$4,195 34		$4 13	$4,137 57	$160 42	$496 92	$95 00	$475 56	$1,170 09	$423 40	$216 25	$11,775 99	$23,150 67

DAY CAMP.

By vote of the Board of Health the supervision and direction of the construction of three buildings for a day camp for tuberculosis patients was placed in the hands of your superintendent. The contract for the main building was awarded to Mr. Martin Flynn, the lowest bidder, the contract price being $7,800. Mr. S. J. Kelley, Jr., was awarded the contract for building the two shacks, his bid of $2,296 being the lowest received. The main building was opened for occupancy in July and the shacks in November. No provision having been made for heating the buildings, by direction of His Honor, the Mayor, your superintendent was authorized to contract for a heating plant in the main building. Bids were received October 21, 1908, and the contract awarded to Messrs. J. J. Hurley & Co., their bid being $1,025. These buildings are of temporary frame construction from plans by Mr. Charles R. Greco.

SANITARY BUILDING AT KINGSLEY PARK.

By vote of the Water Board your superintendent was requested to supervise the construction of a sanitary building at Kingsley Park, the contract having previously been awarded to Messrs. W. H. Mague Company for $2,486. The building is of concrete construction with tile roof and was designed by Olmstead Brothers, landscape architects. It was completed in January, 1908, and opened to the public the following season.

INCINERATOR.

By request of the Superintendent of Streets, the supervision of the construction of the incinerator building on Main Street was placed in the charge of your superintendent. The bid of Mr. Adolph Kern of New York was accepted by the Superintendent of Streets and plans approved by your superintendent, the contract price being $25,975.

The building is of brick and fireproof construction throughout, including the roof. It is two stories in height, the second story being used for depositing the materials received from the city teams, and is reached by an inclined drive from the street. The floor is designed to safely carry the weight of two double teams with their loads. The furnaces are fed through four openings in the floor. The building was completed and accepted in April, 1908, and has since been in constant use. It is well adapted for the purpose for which it is intended.

WELLINGTON SCHOOL.

On the afternoon of February 10, 1908, fire broke out in the old portion of the Wellington School, causing a damage to the building of $25,000 and affecting nine class rooms, which comprised the original building. It was found possible to repair three of the rooms, and this was done, allowing their use for the remainder of the school term. It was fortunate that the fire occurred after school hours. The fire was caused by the overheating of a chimney from the forcing of three or four furnaces connected with it. In my last report I advised the installing of steam heat in this part of the building on account of the danger of fire from these very furnaces, and also in a communication to the City Council dated September 25, 1906, but it was deemed inexpedient at that time to make further appropriation for this work.

The question of repairing and making alterations in the building was considered by the City Council and referred to the Committee on Public Property, who reported an order to reconstruct the building at a cost of $60,000. This order was passed by the City Council, but vetoed by His Honor, the Mayor. A committee, consisting of Messrs. C. H. Blackall, Millard Fillmore and John B. Byrne, in behalf of the Taxpayers' Association, investigated the matter, and suggested that it would be better to remove the old structure entirely and build a new addition of fifteen rooms. This was concurred in by the School Committee and your superintendent. The question was again brought before the City Council and referred to the Committee on Public Property a second time. They reported an order that a new building be constructed to replace the part damaged by fire. This order was passed by the City Council and approved by His Honor, the Mayor, June 11, 1908, and your superintendent authorized to procure plans and advertise for bids, which was done. The lowest bids received were those of Messrs. Walsh Bros., on the general contract, $63,604, and Messrs. J. J. Hurley & Co., on the heating and ventilating, $6,248. Appropriations having been made and approved, contracts were made with these firms and work begun in October, 1908. The building has progressed rapidly and is now nearing completion. It will be ready for occupancy by the fall term.

The building is fireproof and is the first school building of this construction to be erected in the city. It was found by careful planning and economical methods that it was possible to construct a building of entirely fireproof materials as cheaply as was formerly the case with wood framing for floors, stairs and partitions.

During the summer vacation the City Council having appropriated the sum of $8,000 to begin work on the portion of the building which included the four class rooms and basement immediately under the assembly hall, which were of defective construction and needed changes to conform to the new parts when completed, a contract was made with Mr. John B. Byrne for $7,627, and the work completed in time for the opening of the fall term.

When the addition is completed the building will consist of twenty-five class rooms, an assembly hall and gallery with a capacity of seven hundred persons, principal's office, four offices for supervisors, teachers' room, library, two supply rooms, janitor's room and sloyd rooms in basement. It is equipped with an electric clock and a telephone system connecting all rooms with the principal's office. The most up-to-date furnishings will be supplied for class rooms and offices.

ELECTION BOOTHS.

The regular work of preparing polling places for the primaries and elections has been done and one new booth built.

RIFLE RANGE.

During the year your superintendent has approved bills amounting to $1,100.39 for use of targets by the various militia companies in the city. Some apportionment should be made of the appropriation for this purpose in order to secure an equal amount for each company.

INSPECTION OF BUILDINGS.

The regular inspection work of this department has been done during the period covered by this report as shown in the tables below:

Number of inspections of buildings	5,430

NUMBER OF VIOLATIONS.

Dangerous chimneys	5
Defective foundations	2
Building without permit	12
Building too near line of adjoining lot	9
Defective conductors and gutters	4
Dangerous buildings	9
Defective furnace pipes	16
Miscellaneous	25

The annual inspection of the means of egress of tenement houses, lodging houses, hotels, etc., was made in May, and a report made to the Chief of the District Police.

Elevators have been inspected as follows:

Number of inspections	398
Number of permits issued to operators of elevators	398
Number of licensed elevators	199

GAS INSPECTION.

By the new building ordinance the inspection of gas fitting and gas fitting materials has been placed under this department. This work was formerly done by the Cambridge Gas Light Company. The additional work which this involves has been performed by the inspectors and clerk of this Department in conjunction with their other duties. This has only been possible because the number of new buildings erected during the past few years has not been as great as formerly, but indications are that it may be necessary to increase the number of inspectors this year.

The following table shows the extent of this branch of the work:

From March 1, 1908, to March 31, 1909.

Number of gas inspections	600
Number of jobs found not tight or otherwise not according to ordinance	39
Number of permits granted to the Cambridge Gas Light Company to supply gas to buildings	356

INSPECTION OF PLUMBING.

Following is a detailed report of the Inspection of Plumbing Department:

	Dec. 1, '07, to Mar. 31, '08	Apr. 1, '08, to Mar. 31, '09
Number of applications received and permits granted	69	402
Number of tests and inspections	269	1,481
Number of jobs found defective or otherwise not in accordance with ordinance	1	9
Number prosecuted for violation of ordinance	0	0
Number of master plumbers holding certificates	38	39
Number of journeyman plumbers holding certificates	62	62
Number of master plumbers holding licenses	51	55
Number of journeyman plumbers holding licenses	64	69
Amount received for license fees	$11 00	$34 50

For the purpose of comparing statistics with other cities, as well as for the information of the United States Government and the

various trade papers, it has been found most expedient to have the following tables cover the period of the last calendar year.

BUILDING PERMITS ISSUED FROM JANUARY 1, 1908 TO DECEMBER 31, 1908

	WARDS											
	1	2	3	4	5	6	7	8	9	10	11	Totals
Additions	7	3	4	9	6	11	9	11	12	19	20	111
Alterations and repairs	7	9	7	5	2	8	14	7	7	5	8	79
Apartments and dwellings	1	1	2	3	2	8	....	2	22	23	13	77
Carriage houses	....	....	....	....	....	....	3	1	....	....	2	6
Chimneys and stacks	....	....	....	1	....	2	....	....	....	....	2	5
Dynamos, boilers, motors	3	....	1	3	2	1	3	1	....	....	4	18
Factories	1	....	1	3	....	3	....	....	....	1	1	10
Garages	....	....	....	....	2	2	2	....	4	3	1	14
Heating Apparatus	....	....	....	....	....	....	....	....	1	....	1	2
Razed	....	1	....	2	1	1	3	2	5	1	....	16
Stables	....	....	....	....	1	....	1	....	....	....	2	4
Storehouses	2	2	1	....	1	....	....	1	....	....	....	7
Stores and offices	3	2	5	2	....	4	2	....	2	1	1	22
Miscellaneous	6	2	1	6	1	3	1	4	2	3	3	32
Totals	30	20	22	34	18	43	38	29	55	56	58	403

ESTIMATED COST OF BUILDING OPERATIONS FOR THE YEAR 1908.

	WARD 1.		WARD 2.		WARD 3.		WARD 4.		WARD 5.		WARD 6.	
	New	Additions and Repairs	New	Additions and Repairs	New	Additions and Repairs	New	Additions and Repairs	New	Additions and Repairs	New	Additions and Repairs
January	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
February	$800,000	$5,500	.....	.....	$9,300	.....	$40,000	$700	.....	$1,500	.....	$4,800
March	500	2,800	$13,000	$150	6,000	$1,000	150	.....	.....	150	$9,550	6,300
April	8,500	2,830	.....	500	4,000	.....	6,150	1,200	450	12,100	55,650	25
May	32,900	2,200	4,000	.....	1,000	325	4,500	200	.....	.....	5,600	400
June	.....	500	1,000	.....	1,300	.....	18,000	250	600	300	.....	5,425
July	.....	1,500	.....	450	.....	500	1,500	1,000	7,050	175	.....	63,300
August	.....	.....	.....	2,200	12,000	500	9,500	.....	9,000	.....	.....	7,300
September	.....	100	35,000	1,875	.....	200	.....	3,350	75	.....	3,000	600
October	.....	.....	2,600	500	800	200	1,700	70,000	.....	100	.....	50
November	35,000	600	.....	.....	.....	.....	150	300	.....	650	10,300	24,000
December	140	.....	9,000	.....	.....	2,000	7,500	1,600	.....	75	14,000	3,500
Totals	$877,040	$16,030	$64,600	$5,675	$34,400	$4,725	$89,150	$78,600	$17,175	$15,050	$98,100	$115,700

ESTIMATED COST OF BUILDING OPERATIONS FOR THE YEAR 1908—*Concluded.*

	WARD 7.		WARD 8.		WARD 9.		WARD 10.		WARD 11.		TOTALS.	
	New	Additions and Repairs	New	Additions and Repairs	New	Additions and Repairs	New	Additions and Repairs	New	Additions and Repairs	New	Additions and Repairs
January	$125	.....	$6,450	$75	$100	$600	$11,000	.....	.....	$75	$17,675	$750
February	800	$600	.....	.....	75,000	1,000	.....	.....	.....	600	925,100	14,700
March	.....	200	.....	2,800	600	1,300	.....	$200	$6,100	3,800	35,900	18,700
April	1,000	600	.....	8,225	7,500	1,500	37,600	2,000	4,225	1,250	125,075	30,230
May	200	1,600	32,000	700	6,000	.....	150	900	4,000	2,650	90,350	8,975
June	.....	3,000	.....	800	9,700	500	33,000	250	4,700	675	68,300	11,700
July	.....	2,050	11,500	100	29,000	8,500	8,300	1,850	13,000	7,300	70,350	86,725
August	50	1,800	.....	1,250	41,300	2,000	2,300	2,250	4,600	400	78,750	17,700
September	.....	300	.....	2,625	9,100	3,125	78,100	2,050	.....	2,500	125,275	16,725
October	10,000	.....	.....	10,200	27,200	.....	9,500	1,600	47,300	500	99,100	83,150
November	1,500	1,300	.....	150	17,500	5,000	15,100	400	25	150	79,575	32,550
December	.....	2,200	100	.....	27,000	200	12,000	200	5,800	800	75,540	10,575
Totals	$13,675	$13,650	$50,050	$26,925	$250,000	$23,725	$207,050	$11,700	$89,750	$20,700	$1,790,990	$332,480

Following is a schedule of city property in the Building Department:

CITY BUILDINGS.

	Feet of Land.	Purchase of Land.	Erection of Building.	Valuation of Land.	Valuation of Building.	Valuation of Furniture.
City Hall.....	47,878	1888	1888	$72,000	$200,800	$29,800
Brattle Sq. Bldg....	16,153	1873	1874	16,000	62,000	2,500
Central Sq. Bldg....	13,028	1872	1873	10,500	50,000	2,436
Station 3 Bldg.....	4,220	1862	1870	2,100	20,000	800
Station 4 Bldg.....	6,316	1872	1873	3,700	14,300	300
				$104,300	$347,100	$35,836

VOTING BOOTHS, ETC.

Voting booth, corner Cambridge and Hampshire Streets	$500 00
Five portable voting booths	2,500 00
Voting compartments and fixtures (500)	2,500 00
	$5,500 00

PERSONAL PROPERTY.

One horse	$250 00
Three robes	32 00
One wagon	100 00
Top buggy	150 00
Sleigh	35 00
	$567 00

BOARD OF EXAMINERS OF PLUMBERS.

As chairman of the Board of Examiners of Plumbers, I submit the following report:

Number of candidates examined for master plumber's license	8
Number of master plumbers' licenses granted	6
Number of candidates examined for journeyman plumbers' license	7
Number of journeyman plumbers' licenses granted	3

REPAIRS ON SCHOOLHOUSES.

Repairs on school buildings during the past year have been made by your superintendent under direction of the School Committee, all contracts for work made by your superintendent being chargeable to the Committee. A large amount of work has been done, and although the buildings are now in fair condition, a great deal still remains which should be done this year, especially along the line of fire protection. Some of the buildings are so old that it is not advisable to

expend more than is absolutely necessary to keep them in proper condition. I believe that before many years some of these buildings will have to be replaced with new ones.

It is a good policy when contemplatiig building schoolhouses where a large building is not needed at first, to plan for the large building and build part permanently so that additions can be made when needed. This plan has never been followed, except in the case of the Peabody School. The wisdom of this cannot be doubted. Several wooden buildings now maintained at considerable cost could well be increased in size by permanent brick additions, which when the proper time came and the wooden structure was removed, could be increased to the size desired.

The amount expended by your superintendent under direction of the School Committee was $36,789.01, of which amount $2,448 was for the commercial equipment at the Rindge Manual Training School and $1,985 for adjustable irons. Following is a brief description of the work done on the various schoolhouses:

Ellis—Painted outside.
Sleeper—Painted outside; basement ceiling plastered on wire lathing.
Reed—Painted outside.
Wyman—Painted outside and inside; repairs on masonry.
Shepard—Painted outside and inside; some new maple floors laid; new grates.
Agassiz—New maple floors laid in two rooms and corridor.
Peabody—New hand rails on stairs.
Russell—Painted outside.
Lowell—Painted outside.
Tarbell—Painted outside and inside.
Webster—Painted outside; new window sashes in old part.
Willard—New floors laid in three rooms; new blackboards in part.
Morse—Repairs on masonry; new brick walls enclosing boiler room replacing wooden walls; basement entrance changed; steam pipes altered; new grates under boiler.
Rindge Manual Training, Annex and Washington—Painted outside; painted inside except Washington; new lecture room fitted up; equipment for Commercial Department; hood installed for chemical laboratory; some new typewriter desks.
Latin—Two new class rooms fitted with new furniture; new floor laid in gymnasium; sixty-four new dressing rooms for girls; new steel lockers; demonstration tables and sinks relocated.
High—Roof repaired; ventilating system altered; new ceiling in assembly hall; painted outside and inside; new boiler grates; some new typewriter desks.
Roberts—New gas burners.
Boardman—New floors laid in three rooms; painted outside and inside; new furnace.
Parker—New iron fence; new granolithic walks.
Kelley—Masonry pointed; painted outside.
Gannett—New iron fence and new wooden fence.
Putnam—Painted outside; new gas burners.
Fletcher—Two new cabinets.

Gore—New floors first story; painted outside and inside; new heating coils in eight class rooms; brick walls built to enclose boiler room.
Otis—New heating boiler and steam coils in one room.
Taylor—New concrete caps on vent stacks; new iron fence; painted outside.

In general the roofs of many schoolhouses were repaired; the steam pipes in basement of eight schools were covered with pipe covering; the heating plants in all schools were repaired; the entrance doors to many buildings were fitted with approved hardware for quick and easy action in case of fire.

I desire to call your attention to the need of a permanent storehouse for the proper storage of personal property of considerable value, such as election booths, voting compartments, school desks and other furniture. There is a lot of land belonging to the city on Norfolk Street which could well be used for this purpose, and such a building which would also provide workshops for the Street Department could be built without great expense. The wooden building now used by the Street Department for this purpose is not well adapted to the use.

In conclusion, I desire to thank His Honor, the Mayor, the Committee on Public Property, and the City Council for the courtesy and consideration shown me during the year.

Respectfully submitted,

THOS. F. TRACY,

Superintendent of Public Buildings.

REPORT OF THE BOARD OF APPEAL.

OFFICE OF THE BOARD OF APPEAL.
CAMBRIDGE, MASS., APRIL 1, 1909.

HON. WALTER C. WARDWELL,
Mayor, City of Cambridge.

SIR:—In accordance with the provisions of Section 8 of the Building Ordinances, the Board of Appeal would respectfully report as follows:—

This Board was appointed and confirmed in April of last year and gave its first hearing April 21. Six cases have come before the Board, of which the following is a brief summary:

1. Dr. George L. True, 24 Lake Street. Appeal from the decision of the Building Superintendent involving a question of tenement house construction. Appeal was withdrawn before any decision was made by the Board.

2. Morris Finstein, 329 Elm Street. Hearing on remonstrance against granting permit to install 3 H. P. motor to operate buckwheat mill. A number of neighbors and abutters appeared to object on ground of noise and dust as menace to health. The application for permit was denied by the Board on the ground of such occupation of the premises as proposed being against public policy and the mill likely to become a nuisance.

3. Joseph Andelman, 151 Willow Street. Hearing on remonstrance against granting permit to install 3 H. P. motor to operate buckwheat mill. Application was filed by owner but mill to be operated by same parties who brought in case No. 2. Remonstrances were entered by twenty or more neighbors. Application for permit was denied by the Board on the same ground as No. 2.

4. Pi Eta Club, Winthrop Square. Appeal from the decision of the Building Commissioner, who had refused to grant permit for the use of a wall consisting of hollow terra cotta blocks with a reinforcement of 3½x4½ inches concrete studs formed by pouring concrete into a continuous cavity in the centre of the terra cotta, the concrete being reinforced by a single twisted rod. The appeal was denied as the applicant admitted the construction was not in accordance with the Ordinance, and as according to Section 8 the Board could not vary the provisions without the concurrence of the Superintendent.

5. Diego Messina, 26 Hastings Street. Application for permit to install a 5 H. P. motor to operate a bread-mixing machine in rear of bakery at 26 Hastings Street, to which objection had been made by neighbors. Permit granted with the reservation that it would be withdrawn if motor became a nuisance.

6. Sprague-Nugent Co., corner Dana St. and Massachusetts Ave. Application for permit to construct a bill board about 15 feet high and 54 feet long on land owned by John F. O'Brien. Application refused by Superin-

tendent on ground that the construction proposed was not safe. The decision of the Superintendent was sustained and application denied.

Complete records of all these cases are on file at the office of Superintendent of Buildings.

The expenses of the Board follow:—

Appropriation, Board of Appeal		$100 00
City Messenger, stationery	$1 45	
J. Frank Facey, printing	7 50	
Wm. H. Sheridan, services as clerk	21 00	
		29 95
Balance relinquished to City Treasurer . .		$70 05

Respectfully submitted,

C. H. BLACKALL,
JOHN B. BYRNE,
HARRY N. STEARNS.

WM. H. SHERIDAN, *Clerk.*

REPORT OF THE BOARD OF HEALTH.

To the Honorable, the City Council:—

In compliance with the Revised Laws creating Boards of Health and defining their duties, we have the honor to make our annual report for the year ending December 31, 1908.

We respectfully call the attention of your honorable body to the following list of complaints investigated and nuisances abated during the year:—

NUISANCES ABATED.

Full, overflowing and offensive privy vaults	2
Offensive and defective water-closets	73
Full and defective cesspools and catch-basins	6
No trap to sinks	20
Leaky and defective traps	10
Defective drainage, open and defective drains	39
Plumbing tests made	53
Filthy yards	348
Filthy stables and cow sheds	20
Manure in yards and lots	12
Wet and damp cellars	9
Stagnant water on premises	2
Dead animals on premises	4
Dead hens on premises	2
Filthy buildings	60
Filthy cellars	74
New water-closets put in	19
Houses vacated	4
Dirty hen-coops	10
Total	767
Number of inspections	2,003
Number of subsequent inspections	1,900
Total	3,903
Number of notices served	186
Offal receptacles cleaned and new ones provided	101
Vacant lots cleaned	2
Defective plumbing in whole house remedied	1
Number of houses placarded	687
Premises disinfected	902
Number of cellars from which hens were removed	8
Number of patients taken to Diphtheria Hospital	125
Number of patients taken to Cambridge Hospital	86
Number of patients taken to Somerville Hospital	15
Number of patients taken to Holy Ghost Hospital	15
Number of patients taken to Relief Hospital	4
Number of patients taken to Tewksbury	3

Number of patients taken to Boston City Hospital	2
Number of patients taken to Brighton Hospital	16
Number of patients taken to Stillman Hospital	2
Number of patients taken to Concord Avenue Hospital	11

MEDICAL INSPECTION OF SCHOOLS.

Below is given a condensed report of the School Inspectors:—

Chicken-pox	31
Diphtheria	12
Measles	29
Measles, German	6
Mumps	38
Scarlet Fever	2
Tuberculosis	3
Whooping Cough	12
Pediculosis	169
Scabies	54
Diseases of Digestive System	112
Diseases of Nervous System	24
Diseases of Respiratory System	28
Diseases of Ear	15
Diseases of Eye	97
Diseases of Skin	242
Local Injuries	23
All Others	424
	1,321

YEARLY REPORT OF THE CAMBRIDGE SCHOOL NURSE.

February 24, 1908, to February 24, 1909.

The School Nurse begs leave to present her report for the year.

Said nurse works directly under the Board of Health, in conjunction with the School Inspectors and in co-operation with the principals and teachers.

During the first part of the school year, routine work was confined to the East Cambridge district, while during the latter part, by request, the nurse transferred herself to the other sections of the city, thus covering the entire field, comprising thirty-three public schools. In addition, cursory visits were made to the English and Latin High Schools.

All cases, save those of defective vision, were held for examination by the respective School Inspectors. Suspicious cases and all children suffering from contagious parasitic and skin diseases, were excluded, to be followed later to the homes by the nurse.

Children whose parents, for some good reason, were unable to

attend to examinations or treatments, were taken by the nurse to physicians or clinics, and their after-treatment supervised.

Much has been done along the line of class room and individual teaching of hygiene among the pupils, with at least fairly good results, while "Health Talks" were given, on request, to various mothers' clubs connected with the schools.

It is gratifying to note the increased interest taken by parents and guardians in the physical welfare of their children.

Through the kindness of the Cambridge Visiting Nursing Association, a nurse was loaned to the Board of Health to work under supervision in the schools. Said nurse commenced her duties in February, 1909, hence the adjoining table represents the work of two nurses for thirteen days of the recorded time.

Thanks are hereby tendered to all who have aided the work of the school nurse.

HOME CALLS.

Defective vision	127	Ringworm	2
Conjunctivitis	16	Potts' Disease	8
Granular lids	7	Spinal curvature	8
Congenital cataract	24	Orthopedic	3
Strabismus	34	Rachitis	1
Ulcer of cornea	10	Flesh wound	1
Defective hearing	39	Septic foot	1
Otitis	23	Paresis	1
Mastoiditis	1	Chorea	3
Adenoid deafness	16	Epilepsy	1
Adenoids and hyp. tonsils	13	Neurasthenia	1
Adenoids	144	Diabetes	1
Nasal catarrh	4	Nephritis	3
Nasal obstruction	2	Enuresis	8
Nasal hæmorrhage	1	Bronchitis	3
Rhinitis	1	Asmatic bronchitis	1
Laryngitis	4	Whooping cough	1
Quinsy	1	Pleurisy	1
Tonsillitis	1	Tubercular suspect	21
Diphtheria	3	Anæmia	1
Hyp. glands	1	Malnutrition	3
Eczema	8	Pediculosis	21
Scabies	11	Chilblains	1
Chronic Meningitis	1	Gastritis	1
Meningocele	3	Lupus	5
Diagnosis	9		
Total	605		

Total number of schools inspected		33
Total number of home calls	605	
Total number of unrecorded calls	59	
		664
Total number of children taken for treatment		230
Total number of children admitted as "in-patients"		7
Total number of free treatments		17
Total number of free operations		6

Total number of free glasses . . . . . 14 prs.
Total number of car-tickets used 858

Respectfully submitted,

J. M. C. HUME,

School Nurse.

DIPHTHERIA HOSPITAL.

January 1, 1908, there were in hospital 8 cases remaining from the previous year. From January 1 to December 31, 1908, inclusive, there were admitted 175 cases. Of laryngeal diphtheria there were 27 cases, and 6 deaths, a fatality of 22.22 per cent. Of the ordinary form there were 140 cases, and 11 deaths, a fatality of 7.08 per cent. Of both forms combined the fatality was 10.17 per cent. On December 31, 1908, there were remaining in hospital 7 cases.

The stay in hospital and the termination of these cases (bacterially diphtheria) were as follows:

Days.	Recovered.	Died.	Total Days.	Days.	Recovered.	Died.	Total Days.
1-6	....	1	1-6	24	7	....	168
1-4	....	1	1-4	25	1	....	25
1	....	3	3	26	1	....	26
1 1-3	....	1	1 1-3	27	6	....	162
3	1	2	9	28	4	....	112
4	1	1	8	29	2	....	58
7	3	2	35	30	3	....	90
7 1-2	....	1	7 1-2	31	1	....	31
8	3	1	32	32	1	....	32
9	7	....	63	33	1	....	33
10	5	....	50	34	2	....	68
11	5	....	55	36	2	....	72
12	9	1	1-0	37	1	1	74
13	5	1	78	43	2	....	86
14	2	1	42	46	1	....	46
15	8	....	120	50	1	....	50
16	13	....	208	53	1	....	53
17	10	....	170	64	1	....	64
18	9	....	162	68	1	....	68
19	7	....	133	73	1	....	73
20	3	....	60	78	1	....	78
21	4	....	84	83	1	....	83
22	1	....	22				
23	3	....	69	Total	150	17	3,084 1-4

There were also admitted 12 cases, all of whose cultures taken for diagnosis proved negative. Of these patients, 3 had the laryngeal form of the disease.

The stay in hospital and termination were as follows:—

Days.	Recovered.	Died.	Total Days	Days.	Recovered.	Died.	Total Days.
1–4	....	1	1–4	9	1	....	9
2	1	....	2	10	1	....	10
4	2	....	8	32	....	1	32
5	1	....	5				
6	3	....	18	Total	9	3	91 1–4
7	....	1	7				

There were also admitted 2 patients who proved to have scarlet fever, and 3 who had measles.

Of the diphtheria cases 2 were complicated with scarlet fever, and 4 with measles.

Total stay in hospital of all cases was 3,178⅝ days.

Patients remaining in hospital from 1907	8
Admitted during 1908	175
	183
Remaining in hospital	7
Discharged during 1908	176

Owing to a rather severe outbreak of diphtheria in the fall of 1899 a house was taken and fitted for the reception of 19 patients ill with this disease. The first case was admitted December 7, 1899. The hospital was closed April 27, 1900, and reopened October 29 of the same year, from which date it has been in constant use up to the present time. The following statement is a brief summary of the work of the hospital during the past 9 years and 1 month.

There have been treated and discharged 1,173 cases, in which the diagnosis was confirmed by a positive culture.

Of the ordinary form of the disease there were 986 cases, of which 74 died, a fatality of 7.50 per cent.; of the laryngeal form there were 187 cases, of which 39 died, a fatality of 20.85 per cent. Of both forms combined the fatality was 9.63 per cent. Of those having negative cultures there were of the ordinary form 56 cases, with 2 deaths, and of the laryngeal form 19 cases with 5 deaths.

There were also admitted 2 cases with positive cultures which proved to be typhoid fever, both having positive Widal reactions. One of these died and the other recovered. Neither presented any marked clinical features of diphtheria.

Many cases were moribund on admission; 33 dying in less than one day, and 20 between one and two days.

Owing to errors in diagnosis there have been sent to the hospital 7 cases of measles and 12 of scarlet fever. And from ignorance of the fact that the hospital has no accommodations for mixed cases there have been sent in cases of diphtheria with the following complications: chicken-pox 7, erysipelas 1, measles 16, mumps 5, scarlet fever 9, whooping cough 5.

EDWIN FARNHAM, M.D.,

Superintendent.

Board of Health,Cambridge, Mass.,

DEAR SIRS:—The Cambridge Camp for the treatment of Tuberculosis opened on July 23, 1908, with 10 patients.

During that month the attendance was small, the largest number for one day being 25, which happened on three different days, but the total attendance for the month made an average of 20 daily.

The number being so small, made the cost per capita high, which amounted to $1.26 per capita, daily.

During August we grew slowly, and our largest attendance that month was 37—the smallest 9—but the few that came that day braved a severe rain storm, and thus showed their interest in getting well. The daily attendance grew after the middle of the month, and the last week shows over 30 in number daily, so the daily average for the whole month was 25, making an increase of 15 over July. It cost only 99 cents per capita daily.

The shacks opened on September 17, ready for 25 patients who could remain at night. Two or three of the day patients were then advised to remain here permanently, and that took away, for a week or so, a few of the faithful ones, who were charter members, and are still with us.

We reached 44 that month, but never fell below 23. Our average was 32 daily, and the cost 93 cents. But breakfast and a night luncheon was added to the daily list of meals.

October shows a small gain in numbers, reaching 48. A few more day-patients began to come, and we also added a few more beds for pressing cases. The daily average for the whole month was 41. The cost 79 cents.

November, considering the cold, made no difference, and we kept in the forties daily, with the exception of Thanksgiving Day, when we had only 25. Toward the latter part of the month we had 50 daily

for one week The daily average was 48, and the cost per capita 94 cents.

This increase in the cost is due to the large amount of coal consumed in the steam-heating plant, which was installed in November, and also in the four shack stoves. Also the increase in the cost of provisions.

December was one of the best months for attendance, the figures showing between 50 and 56 daily. More beds were added, and filled, and the day patients grew slowly.

Christmas Day shows a small attendance, for everyone who was able to go home was allowed to do so, returning to us on Monday morning. We had only 20 that day. The average was 56 daily, and the cost considerably less, being only 75 cents per capita.

In January we reached 66 on one day, that being our maximum number, and five other days show 61 patients daily. Still, the average attendance was only 57, one more per day than in December. The cost was one cent less, 74 cents per capita.

We have now 43 beds, all filled, and about 23 day patients who attend daily.

We have examined in all, 146 patients.

Respectfully submitted,

JANE A. BARKER,
Matron.

The past year has been one of unusual activity for this Board, as is shown by the reports submitted herewith.

The Hospital for Tuberculosis Patients on Concord Avenue was opened in July, 1908. The patients that were being boarded at institutions outside of the city, and for whose support the Board became responsible under a recent statute, were removed to the new hospital immediately upon its opening.

The first building erected was for patients who were able to go to and from their homes morning and night, and whose chief need was proper food and air and such education as would enable them to avoid being a source of danger to their families and the community. This building was ample to accommodate about one hundred and fifty such patients.

Very soon after the opening of this building, urgent requests were received for the accommodation of the more advanced patients. This demand was partially met by the erection of two shacks in the rear

of the main building, making provision for the care of fifty patients both day and night.

This provision for the advanced patients seemed justified, for in a very short time the shacks were filled, and at the present time the demand is such that were there more room it could be utilized to advantage.

The cost per patient is stated in the report of the Matron, and it compares very favorably with that of other institutions. It must not be forgotten that this class of invalids requires a more substantial diet than any other class of sick persons, for they must be overfed rather than underfed.

This Board has endeavored to collect from the patients for the actual cost of maintenance, and in many cases, either the whole or some portion of that amount has been received. In numerous cases, however, any payment by the patient meant that their families were deprived in some degree of the necessities of life. When this was found to be the case, no payment was required.

The Board urgently recommends provision for the employment by this department of a competent person to have charge of the collections from those persons and families that are able to pay something for the care of themselves or those for whom they are responsible. This matter has already been called to the attention of the Honorable City Council. The Board feels that a substantial saving could be made to the city by the employment of such a person.

The Board again calls your attention to the large expenditures for the care of contagious cases, other than tuberculosis, and recommends the erection of a building for hospital purposes for their care. The city at the present time owns an excellent site for such a hospital. Plans have been prepared and submitted to the Mayor and Committees of the City Government, and progress with the work is suspended only by the lack of an appropriation. The many considerations which call for immediate action have been set before your committees sufficiently often to call for no further repetition.

The Board, both in the matter of diphtheria and scarlet fever, from lack of proper and adequate hospital facilities, is conducting its work at heavy expense without corresponding efficiency.

CHARLES H. THOMAS, M. D., Chairman,
J. PORTER RUSSELL,
ELIE H. LaPIERRE,

Board of Health.

Bacteriological Laboratory,
City Hall, Cambridge, January 1, 1909.

To the Board of Health:—

Gentlemen:—Figures showing the number and sort of examinations made in the laboratory during the past year are submitted below.

The total number of examinations shows an increase over the previous year of 1,046.

There were 428 cases of diphtheria reported to the Board, of which 335, or 78 per cent., were confirmed by positive cultures examined in this laboratory. Some of the cases reported had positive cultures from other laboratories, leaving a small proportion in which the diagnosis was made without laboratory aid. The school inspectors discovered some cases of chronic nasal discharge, cultures from which were almost pure diphtheria bacilli. These children were not sick, but were undoubtedly sources of danger to the rest of the school. Cultures from all the other children in the room usually showed a few other infected but well children.

The number of cases of tuberculosis of the lungs reported to the Board shows an increase of 107 over the corresponding number last year. The establishment of the Day Camp has increased the work of the laboratory because repeated examinations are made of the sputum of each patient, and for the same reason the number of positive sputa on the tables is misleading, because it includes some secondary examinations on old cases. Reports to the Day Camp in positive cases are given in fractions, the numerator showing approximately the number of bacilli in each field of the microscope, and the denominator the number of fields. This method indicates in a gross way a progressive increase or decrease in the number of bacilli in the sputum. The increasing readiness with which tuberculosis of the lungs is now being diagnosed without waiting for the time when bacilli are found in the sputum tends to lower the percentage of positive sputa in the total number of cases reported.

Of 88 cases of typhoid fever 37, or 42 per cent., were confirmed by a positive Widal reaction in this laboratory. Last year only 23 per cent. gave a positive test. This increase may be due in part to our using a different strain of the typhoid bacillus which seems to react more readily. The dilutions, 1-10 and 1-50, have not been changed.

DIPHTHERIA.

	Positive.		Negative.		Total.		Total.			Grand Total.
	Diagnosis.	Release.	Diagnosis.	Release.	Diagnosis.	Release.	Positive.	Negative.	No growth.	
January	19	35	80	66	99	101	54	146	5	205
February	24	50	70	74	94	124	74	144	1	219
March	27	45	97	66	124	111	72	163	4	239
April	30	29	139	68	169	97	59	207	3	269
May	30	50	119	65	149	115	80	184	2	266
June	20	55	36	85	56	140	75	121	1	197
July	31	67	20	47	51	114	98	67	2	167
August	22	46	21	72	43	118	68	93	2	163
September	19	30	23	69	42	99	49	92	0	141
October	44	81	40	51	84	132	125	91	2	218
November	43	88	129	161	172	249	131	290	3	424
December	26	33	92	57	118	90	59	149	3	211
Total	335	609	866	881	1,181	1,490	944	1,747	28	2719

	Tuberculosis.			Typhoid.			Grand Total.
	Positive.	Negative.	Total	Positive.	Negative.	Total.	
January	11	63	74	0	16	16	90
February	8	34	42	2	14	16	58
March	10	29	39	0	8	8	47
April	8	17	25	11	17	28	53
May	13	26	39	1	24	25	64
June	7	30	37	1	13	14	51
July	10	24	34	5	17	22	56
August	17	36	53	4	17	21	74
September	14	29	43	4	27	31	74
October	11	39	50	6	11	17	67
November	21	42	63	2	7	9	72
December	30	32	62	1	8	9	71
Total	160 54.0 p.c.	401	561	37 42.0 p.c.	179	216	777

Total examinations for the year, 3,496.

Respectfully submitted,

ALLAN F. BARNES, M.D.,

Bacteriologist.

CAMBRIDGE, MASS.

To the Honorable, the Board of Health:—

The undersigned respectfully submits his report as Inspector of Provisions, the same being for the year ending December 31st, 1908.

The conditions attendant upon the sale of poultry, beef, pork and lamb in this city have been as a whole satisfactory. Despite the prevalence of much decayed and putrid turkey in the wholesale markets of Boston during the Thanksgiving and Christmas Seasons, where the condemnation of poultry was heavier than any year for a decade past, the markets and stores of Cambridge have been practically free from unwholesome foul, and only one hundred and nineteen (119) pounds of turkey were condemned by me as unfit for use. Poultry, other than turkey, has been condemned in a larger quantity, but not to such an extent as to cause any special comment.

From a sanitary point of view, the stores which have meat products for sale, are conducted without reasonable call for complaint, and only occasionally has it been found necessary to suggest changes.

The tanks and chests used for curing beef have been so improved and maintained as to meet all requirements. This has resulted in a marked change for the better since the general inspection of four years ago, when the Inspector condemned over four thousand (4000) pounds of corned beef, while this year there have been condemned less than one thousand (1000) pounds of beef, pork and lamb respectively.

The methods of carting and exposing meats have been much improved, and it may be stated in all fairness that the market conditions in this city are not surpassed by any in the State.

There has been some complaint against the manner of handling and selling meat stuffs in private houses, more especially in the eastern portion of the city. As has already been reported to the Board, investigation has been made in such cases and conditions have been improved, until no cause for complaints exists at the present time.

The manufacture and sale of ice cream and confectionery has been conducted under almost perfect sanitary conditions, except in a few cases, where it has been necessary to suggest minor changes.

It would be difficult to discover any more satisfactory conditions than exist in Cambridge among the larger confectionery and ice cream plants. The manufacture and sale of hokey-pokey has been discontinued in this city, and no permits have been issued by the Board, a practice which must commend itself until such time as arrangements

can be perfected for better sanitary conditions than have heretofore prevailed.

With reference to the lunch cart business, it seems to your Inspector that an improvement might well be made in the method of cleaning utensils. While some of these carts are being maintained in a proper manner, there are others which may easily become a menace to health because of insufficient means of caring for refuse and cleaning of dishes.

Some of these carts have no connection with the sewer, and no water supply. Did such connection prevail, causes for complaint would be reduced to a minimum. In some cases, under the present conditions, we find dishes washed and rewashed in the same greasy water, and that water is being allowed to lie unchanged for considerable time. This condition is due to lack of proper water supply and sewer connection.

When requested by the Inspector to remedy the causes complained of, some have complied while others have not. I would recommend that a request be transmitted to the Board of Aldermen for a reference to the Board of Health, of all petitions for victuallers' and lunch cart licenses, and that inspection of premises be made before report is entered.

An examination of some stores has disclosed improper sanitary arrangements in the care of butter chests. In some cases the waste water has been drained into a barrel in the cellar, where it was allowed to remain without further draining, thus becoming stagnant and foul, and injuring and tainting the butter in the chests.

The Inspector has caused such conditions to be remedied wherever found. A recommendation in previous reports in relation to preventing the exposure of candy, dates and figs, and the danger to health from such exposure, is again called to your attention, as well as the use of newspapers which have been bought in junk stores for purposes of wrapping food products.

It seems to the Inspector that such practises should be prohibited. The inspection of slaughter houses has continued as heretofore, and requires about four days of each week. This allows only a comparatively brief period for inspection of stores and peddlers' wagons, but a few hours each day have been devoted to this purpose. The slaughter houses, both for cattle and fowl, are in first-class sanitary condition.

The following statistics are respectfully submitted:—

SLAUGHTER HOUSE INSPECTION.

Beeves slaughtered	237
Beeves condemned	10
Hogs slaughtered	127
Hogs condemned	8
Sheep slaughtered	315
Sheep condemned	4
Veal slaughtered	22,568
Veal condemned	2,246
Poultry condemned	463

The causes of condemnation were:—

Eight beeves for tuberculosis, two beeves for septicaemia, four hogs for tuberculosis, one hog for septicaemia, three hogs because of weak and enfeebled condition, three sheep for septicaemia, one sheep for pneumonia, and the veal for immaturity. Some of the veal arrived at the slaughter house in a very weak condition.

The fowl were unfit for food because of canker and emaciation.

FISH CONDEMNED.

Various kinds	2,075 lbs.
Canned Shrimp	2 crates
Oysters	4 gallons
Clams	7 gallons and 2 barrels
Lobsters	226

MEATS CONDEMNED.

Beef, pork and lamb	965 lbs.
Rabbits	39
Tripe	½ bbl.
Pigs' feet	1 keg
Poultry	820 lbs.

FRUIT CONDEMNED.

Oranges	7 boxes
Currants	3 crates
Blackberries	1 crate
Strawberries	8 crates
Blueberries	½ crate
Grapes	½ barrel

VEGETABLES CONDEMNED.

Potatoes	6 barrels
Cranberries	2 bushels
Carrots	1 bushel
Parsnips	4 bushels
Beets	6 bushels

There was also condemned one and one-half crates of eggs.

Respectfully submitted,

JOSEPH L. JOHNSON,

Inspector of Provisions.

OFFICE OF THE BOARD OF HEALTH,
April 1, 1909.

To the Board of Health of the City of Cambridge:—

The undersigned, Clerk to the Board of Health, submits a statement of the expenditures of the Health Department for the financial period beginning December 1, 1907, and ending March 31, 1909.

December 1, 1907—March 31, 1908, inclusive.

SALARIES.

Appropriation		$4,562 01
Amount expended:		
Physician to the Board	$500 00	
Medical Inspector	500 00	
Clerk	391 00	
Secretary	260 10	
Bacteriologist	360 00	
Sanitary Inspectors	962 20	
School Inspectors	566 44	
Plumber	326 40	
Inspector of Provisions	391 00	
School Nurse	293 25	
		4,550 39
Balance of appropriation		$11 62

GENERAL EXPENSES.

Appropriation		$9,720 24
Amount expended:		
Board and care (scarlet fever)	$259 28	
Board and care (tuberculosis)	2,164 32	
Board, care and transportation (rabies)	110 00	
Reimbursement, other cities and Commonwealth	4,138 93	
Binding and lettering blankets	4 00	
Burial of animals	43 75	
Car tickets	150 00	
Directory	4 00	
Disinfecting supplies	104 69	
Expert services of physician	100 00	
Express	8 30	
Harness and wagon repairs and maintenance	14 55	
Horse board, storage and hire	162 00	
Horse shoeing, clipping, etc.	21 25	
Amounts carried forward	$7,285 07	$9,720 24

GENERAL EXPENSES—Continued.

Amounts brought forward	$7,285 07	$9,720 24
Laboratory supplies	35 01	
Legal services	5 00	
Printing, postage, stationery and office supplies	109 91	
Public sanataries	20 10	
Telephones	107 33	
		7,562 42
Balance of appropriation		$2,157 82

DIPHTHERIA HOSPITAL.

Appropriation			$2,840 66
Amount expended:			
For salaries of:			
Physician	$400 00		
Matron	240 00		
Nurses	640 00		
Houseman	238 00		
Cook	102 00		
Laundress	102 00		
House servant	85 00		
		$1,807 00	
Fuel		89 84	
Gas		39 60	
Groceries and provisions		560 17	
Household supplies and furnishings		26 90	
Ice		22 71	
Medical and nursing supplies		19 17	
Milk		96 00	
Telephone		24 96	
			2,686 35
Balance of appropriation			$154 31

April 1, 1908—March 31, 1909, inclusive.

SALARIES.

Appropriation		$13,800 00
Amount expended:		
Physician to the Board	$1,500 00	
Medical Inspector	1,500 00	
Clerk	1,209 00	
Secretary	803 85	
Bacteriologist	1,080 00	
Sanitary Inspectors	2,141 26	
School Inspectors	1,699 99	
Plumber	1,006 93	
Inspector of Provisions	1,209 00	
School Nurse	906 76	
Driver	715 42	
		13,772 21
Balance of appropriation		$27 79

GENERAL EXPENSES.

Appropriation		$18,000 00	
Transferred from Contingent Fund		9,000 00	
Special appropriation for hospital bills		10,000 00	
Transferred from School Department		9,300 00	
			$46,300 00

Amount expended:

FOR GENERAL EXPENSES.

Board and care (scarlet fever)	$15,374 80	
Board and care (typhoid fever)	51 42	
Board, care and transportation (tuberculosis)	4,221 70	
Board, care and transportation (rabies)	77 50	
Reimbursement, other cities and Commonwealth	4,565 14	
Burial of diphtheria patient	9 00	
Burning and burial of animals	172 02	
Joseph Anzalone, services as interpreter	5 00	
Car tickets	550 00	
Directory	4 00	
Disinfecting supplies	384 33	
Express and freight	13 49	
Harness and wagon repairs and maintenance	253 66	
Horse board, storage and hire	440 00	
Horse shoeing, clipping, etc.	62 00	
Ice	21 30	
Justice of Peace warrant	7 00	
Laboratory supplies	248 54	
Legal services	120 50	
Marion Pike, services	17 50	
Painting and lettering board sign	4 57	
Printing, postage, stationery and office supplies	579 59	
Public sanataries	25 37	
Telephones	169 78	
Typewriter inspection and repairs	6 25	
		$27,384 46

FOR DIPHTHERIA HOSPITAL.

For salaries of:			
Physician	$1,200 00		
Matron	755 35		
Nurses	1,732 84		
Houseman	728 00		
Cook	312 00		
Laundress	312 00		
House servant	260 00		
		$5,300 19	
Express		70	
Fuel		269 46	
Gas		90 54	
Groceries and provisions		1,491 75	
Amounts carried forward		$7,152 64	$27,384 46 $46,300 00

EXPENSES FOR DIPHTHERIA HOSPITAL—Continued.

Amounts brought forward	$7,152 64	$27,384 46	$46,300 00
Household supplies and furnishings	112 09		
Ice	75 92		
Medical and nursing supplies	143 74		
Milk	299 02		
Physician's service (consultation)	5 00		
Repairing roof	80 97		
Telephone	37 68		
		7,907 06	

FOR CONTAGIOUS HOSPITAL, CONCORD AVENUE.

For salaries of:			
Physician	$718 72		
Matron	587 38		
Nurses and attendants	1,340 98		
Caretaker	502 28		
Cook	243 14		
Laundress	129 00		
Maids	301 93		
Scrub woman	145 35		
		$3,968 78	
Belmont Water Department		64 43	
Building fence		45 60	
Electric light		325 14	
Express		4 95	
Fuel		506 66	
Groceries and provisions		2,426 45	
Household supplies and furnishings		1,424 37	
Ice		26 66	
Laundry work		15 63	
Medical and nursing supplies		397 44	
Milk		1,403 78	
Plumbing and mason work		249 63	
Stationery and postage		31 12	
Telephone		38 97	
		10,929 61	
			46,221 13
Balance of appropriation			$78 87

CONTAGIOUS HOSPITAL, CONCORD AVENUE—CONSTRUCTION.

Appropriation	$20,000 00
Amount expended:	
Construction and equipment	19,997 80
Balance of appropriation	$2 20

Respectfully submitted,

JAMES B. SOPER,

Clerk to the Board of Health.

VITAL STATISTICS.

Death Rate per 1,000 Living from All Causes.

Estimated Population, 100,922.

1899	1900	1901	1902	1903	1904	1905	1906	1907	1908
17.25	16.87	17.01	15.51	15.77	15.02	15.56	15.86	15.38	15.84

Male death rate for 1908, 16.25.

Female death rate for 1908, 15.46.

The mean annual death rate for the ten years, 1899 to 1908 inclusive, is 16.00.

The estimate of population is that furnished by the State Board of Health.

In calculating death rates, the deaths of non-residents occurring in the city are excluded, and the deaths of residents, wherever they occurred, are included.

The death rate for the year just passed is usually a little below the correct rate, as the returns of the deaths of some residents which occurred at a distance from home may not be received till after the report has been made up. This error is corrected in the next annual report.

In the division of the city the districts correspond to the old five wards, and the present division into eleven wards is given in the next column.

SCARLET FEVER.

CASES REPORTED.

District	Ward	January	February	March	April	May	June	July	August	September	October	November	December	Total	Total
1.....	8	1	3	5	37	2	2	.....	.....	2	1	1	2	56	
	9	.....	6	.....	16	4	3	2	1	.....	2	4	8	46	102
2.....	3	4	2	5	8	7	11	6	5	8	17	10	6	89	
	4	2	1	5	2	7	3	2	1	7	9	3	3	45	
	5	1	1	2	2	3	4	1	.....	2	12	4	3	35	169
3.....	1	2	2	3	3	7	4	5	1	1	2	1	1	32	
	2	1	.....	6	5	2	.....	2	5	2	.....	3	1	27	59
4.....	6	4	1	2	3	1	2	1	.....	3	8	9	15	49	
	7	1	2	.....	5	4	.....	1	. ....	3	2	5	5	28	77
5.....	10	1	2	6	3	1	3	.....	.....	.....	2	12	12	42	
	11	.....	3	1	3	2	3	1	10	2	7	4	10	46	88
		17	23	35	87	40	35	21	23	30	62	56	66	....	495

The reported cases show an increase of 81 cases over those reported in 1907.

District 1 shows an increase of 28 cases.
District 2 shows an increase of 72 cases.
District 3 shows an increase of 16 cases.
District 4 shows a decrease of 15 cases.
District 5 shows a decrease of 20 cases.

CASES REPORTED WEEKLY.

Week ending			Week ending		
Jan.	4	8	July	4	4
"	11	2	"	11	4
"	18	3	"	18	4
"	25	2	"	25	6
Feb.	1	7	Aug.	1	5
"	8	8	"	8	4
"	15	5	"	15	5
"	22	2	"	22	3
"	29	8	"	29	6
Mar.	7	7	Sept.	5	7
"	14	9	"	12	11
"	21	5	"	19	3
"	28	9	"	26	9
Apr.	4	10	Oct.	3	5
"	11	26	"	10	11
"	18	27	"	17	12
"	25	19	"	24	21
May	2	14	"	31	17
"	9	11	Nov.	7	15
"	16	6	"	14	11
"	23	11	"	21	13
"	30	9	"	28	13
June	6	4	Dec.	5	9
"	13	4	"	12	15
"	20	9	"	19	17
"	27	16	"	26	12

Age and Sex Distribution of 456 *Cases.*

Age	Males	Females	Persons
0— 1 year	3	1	4
1— 2 years	8	6	14
2— 3 "	16	10	26
3— 4 "	20	18	38
4— 5 "	27	26	53
5—10 "	88	112	200
10—15 "	35	33	68
15—20 "	10	7	17
20—30 "	19	10	29
30—40 "	4	3	7
Total	230	226	456

Death Rate per 1,000 *Living.*

1899	1900	1901	190	1903	190	1905	1906	1907	1908
0.08	0.09	0.08	0.09	0.10	0.03	0.04	0.06	0.10	0.10

Morbidity, or Sick Rate, per 1,000 *Living.*

1.75	1.91	1.08	2.11	1.97	1.40	1.53	1.68	4.15	4.90

Fatality, or Case Death Rate, Percentage.

5.06	5.11	7.92	4.52	5.31	2 22	2 66	3.62	2.41	2.22

For the ten years recorded above the mean annual death rate is 0.07; the mean annual morbidity, 2.24; the mean annual fatality, 4.10.

DIPHTHERIA.

CASES REPORTED.

District	Ward	January	February	March	April	May	June	July	August	September	October	November	December	Total	Total
1.....	8	1	3	1	5	3	1	.....	.....	3	1	.....	5	23	
	9	5	7	4	3	.....	4	.....	.....	1	2	6	3	35	58
2.....	3	8	3	4	1	3	7	6	3	1	5	4	7	52	
	4	3	4	5	2	3	2	3	2	1	4	1	1	31	
	5	1	.....	.....	2	3	1	2	.....	3	1	4	2	19	102
3.....	1	4	1	3	4	6	7	3	.....	.....	13	3	.....	44	
	2	.....	3	3	1	8	4	5	2	.....	1	.....	.....	27	71
4.....	6	.....	.....	2	1	3	2	3	8	3	15	13	14	64	
	7	3	2	2	2	2	2	8	3	5	11	15	11	66	130
5.....	10	5	3	.....	.....	5	.....	1	2	2	2	1	3	24	
	11	3	4	4	8	1	4	3	3	2	2	.....	3	37	61
		33	30	28	29	37	34	34	23	21	57	47	49	....	422

The reported cases show an increase of 99 cases over those reported in 1907.

District 1 shows a decrease of 1 case.
District 2 shows an increase of 27 cases.
District 3 shows an increase of 22 cases.
District 4 shows an increase of 60 cases.
District 5 shows a decrease of 9 cases.

Cases Reported Weekly.

Week ending			Week ending		
Jan.	4	8	July	4	5
"	11	8	"	11	8
"	18	5	"	18	9
"	25	12	"	25	10
Feb.	1	7	Aug.	1	7
"	8	6	"	8	2
"	15	10	"	15	5
"	22	6	"	22	5
"	29	7	"	29	10
Mar.	7	5	Sept.	5	1
"	14	9	"	12	6
"	21	6	"	19	8
"	28	6	"	26	6
Apr.	4	4	Oct.	3	6
"	11	5	"	10	9
"	18	8	"	17	19
"	25	8	"	24	10
May	2	9	"	31	17
"	9	6	Nov.	7	24
"	16	7	"	14	7
"	23	15	"	21	6
"	30	5	"	28	10
June	6	12	Dec.	5	8
"	13	7	"	12	13
"	20	6	"	19	11
"	27	3	"	26	6

Age and Sex Distribution of 415 Cases.

Age	Males	Females	Persons
0— 1 year	4	4	8
1— 2 years	16	8	24
2— 3 "	18	15	33
3— 4 "	34	19	53
4— 5 "	24	22	46
5—10 "	78	86	164
10—15 "	16	18	34
15—20 "	10	7	17
20—30 "	13	14	27
30—40 "	4	2	6
40—50 "	0	1	1
50—60 "	0	2	2
Total	217	198	415

Death Rate per 1,000 *Living.*

1899	1900	1901	1902	1903	1904	1905	1906	1907	1908
0.61	0.78	0.65	0.36	0.30	0.26	0.27	0.26	0.19	0.34

Morbidity, or Sick Rate, per 1,000 *Living.*

5.58	10.00	6.61	4.88	3.38	3.42	3.59	5.24	3.23	4.18

Fatality, or Case Rate, Pecentage.

10.90	7.78	9.59	7.60	8.69	7.57	7.71	5.02	5.88	8.29

For the ten years recorded above the mean annual death rate is 0.40; the mean annual morbidity, 5.01; the mean annual fatality, 7.90.

TYPHOID FEVER.

CASES REPORTED.

District	Ward	January	February	March	April	May	June	July	August	September	October	November	December	Total	Total
1	8				3									3	
	9		1		1		1	1		1				5	8
2	3				1	1							2	4	
	4				4	3				2	3	1		13	
	5				1				1		1	1		4	21
3	1		2		1		1	1	4	1	2			12	
	2	1					1	1				1		4	16
4	6		2		6			2	1	2		1	1	15	
	7	1			2	2			1	3	1		1	11	26
5	10						1		1	1	1			4	
	11			1	1			3	2	3	1		1	12	16
		2	5	1	20	6	4	8	10	13	9	4	5		87

The reported cases show a decrease of 3 cases from those reported in 1907.

District 1 shows no change.
District 2 shows an increase of 2 cases.
District 3 shows an increase of 3 cases.
District 4 shows an increase of 5 cases.
District 5 shows a decrease of 13 cases.

Age and Sex Distribution of 80 Cases.

Age	Males	Females	Persons
1— 2 years	0	1	1
5—10 "	5	8	13
10—15 "	1	7	8
15—20 "	5	6	11
20—30 "	9	9	18
30—40 "	9	7	16
40—50 "	5	6	11
50—60 "	2	0	2
Total	36	44	80

Death Rate per 1,000 Living.

1899	1900	1901	1902	1903	1904	1905	1906	1907	1908
0.23	0.16	0.10	0.18	0.13	0.22	0.19	0.19	0.10	0.10

Morbidity, or Sick Rate, per 1,000 Living.

1.11	1.20	1.03	1.36	1.29	1.41	1.13	1 29	0 90	0.86

Fatality, or Case Death Rate, Percentage.

20.00	13.50	10.40	13.28	11.36	16.91	17.11	14.84	11.11	12.64

For the ten years recorded above the mean annual death rate is 0.16; the mean annual morbidity, 1.15; the mean annual fatality, 14.11.

MEASLES.

CASES REPORTED.

District	Ward	January	February	March	April	May	June	July	August	September	October	November	December	Total	Total
1.....	8	3	7	4	12	18	4	2	.....	2	2	24	28	106	
	9	1	11	12	10	15	16	.....	.....	.....	.....	6	1	72	178
2.....	3	2	2	19	32	38	22	.....	.....	1	.....	1	2	119	
	4	5	13	40	52	37	9	.....	.....	.....	1	1	2	160	
	5	1	3	14	30	18	8	.....	.....	.....	.....	6	3	83	362
3.....	1	2	1	2	3	13	16	5	3	2	.....	2	.....	49	
	2	.....	.....	2	5	23	2	.....	1	.....	.....	1	.....	34	83
4	6	5	17	71	58	20	10	.....	2	2	1	.....	2	188	
	7	1	19	55	25	9	12	4	.....	.....	1	22	17	165	353
5.....	10	3	22	14	12	15	12	1	.....	.....	.....	.....	.....	79	
	11	3	10	52	44	23	8	1	.....	1	.....	.....	.....	142	221
		26	105	285	283	229	119	13	6	8	5	63	55	....	1197

The reported cases show an increase of 1137 cases over those reported in 1907.

District 1 shows an increase of 174 cases.
District 2 shows an increase of 351 cases.
District 3 shows an increase of 61 cases.
District 4 shows an increase of 337 cases.
District 5 shows an increase of 214 cases.

Cases Reported Weekly.

Week ending		Week ending	
Jan. 4	1	July 4	7
" 11	0	" 11	3
" 18	4	" 18	3
" 25	7	" 25	1
Feb. 1	16	Aug. 1	5
" 8	11	" 8	2
" 15	11	" 15	0
" 22	19	" 22	0
" 29	62	" 29	2
Mar. 7	85	Sept. 5	1
" 14	58	" 12	2
" 21	65	" 19	5
" 28	59	" 26	0
Apr. 4	68	Oct. 3	0
" 11	75	" 10	1
" 18	66	" 17	2
" 25	57	" 24	0
May 2	49	" 31	2
" 9	62	Nov. 7	2
" 16	50	" 14	10
" 23	51	" 21	31
" 30	43	" 28	6
June 6	45	Dec. 5	31
" 13	30	" 12	23
" 20	21	" 19	7
" 27	21	" 26	3

Age and Sex Distribution of 1,048 Cases.

Age	Males	Females	Persons
0— 1 year	15	16	31
1— 2 years	30	25	55
2— 3 "	37	29	66
3— 4 "	52	47	99
4— 5 "	78	55	133
5—10 "	272	263	535
10—15 "	21	23	44
15—20 "	14	12	26
20—30 "	23	21	44
30—40 "	3	11	14
40—50 "	0	1	1
Totals	545	503	1,048

Death Rate per 1,000 *Living.*

1899	1900	1901	1902	1903	1904	1905	1906	1907	1908
0.08	0.00	0.10	0.04	0.04	0.08	0.05	0.05	0.08	0.09

Morbidity, or Sick Rate, per 1,000 *Living.*

5.26	1.50	6.04	4.32	0.84	4.99	1.14	6.40	0.60	11.86

Fatality, or Case Death Rate, Percentage.

1.69	0.00	1.76	0.98	5.00	1.66	4.46	0.79	13.33	0.83

For the ten years recorded above the mean annual death rate is 0.06; the mean annual morbidity, 4.29; the mean annual fatality, 3.05.

PULMONARY TUBERCULOSIS.

There were reported during the year 297 cases, distributed as follows:—

Age	Males	Females	Sex not given	Persons
1— 2 years	0	1	0	1
3— 4 "	2	1	0	3
5—10 "	5	5	0	10
10—15 "	7	5	0	12
15—20 "	10	26	0	36
20—30 "	40	49	1	90
30—40 "	37	27	2	66
40—50 "	29	11	0	40
50—60 "	9	5	0	14
60—70 "	4	2	0	6
70—80 "	1	2	0	3
Age not given	10	5	0	15
Age and sex not given				1
Totals	154	139	3	297

There were also reported 12 cases of Tuberculosis of other parts of the body.

The death rates per 1,000 living are: Males, 1.38; Females, 1.34; All Persons, 1.36.

OTHER NOTIFIABLE DISEASES.

There were also reported the following cases:—

Cerebro-spinal meningitis	7
Chicken-pox	74
Malignant pustule	2
Ophthalmia neonatorum	1
Whooping-cough	63

Death Rate per 1,000 *Living.*

	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908
Cancer	0.56	0.75	1.03	0.83	0.75	0.87	0.77	0.83	0.77	0.81
Diarrhœal diseases	1.35	1.51	1.05	1.04	1.17	1.20	1.08	1.03	0.94	1.32
Whooping-cough	0.31	0.13	0.11	0.09	0.15	0.03	0.14	0.45	0.10	0.27
Bronchitis	0.56	0.52	0.39	0.41	0.43	0.36	0.27	0.41	0.47	0.30
Pneumonia	1.81	1.65	1.86	1.74	1.92	1.51	1.86	1.67	1.39	1.69

The mean annual death rate for the ten years recorded above is of Cancer, 0.79; of Diarrhœal Diseases, 1.16; of Whooping-Cough, 0.17; of Bronchitis, 0.41; of Pneumonia, 1.71.

RETURN OF DEATHS (Non-Residents Omitted).

Age and Sex Distribution.

Age	Males	Females	Persons
0— 1 year	205	181	386
1— 2 years	42	45	87
2— 3 "	18	10	28
3— 4 "	10	9	19
4— 5 "	8	8	16
5—10 "	16	15	31
10—15 "	13	12	25
15—20 "	15	14	29
20—30 "	52	64	116
30—40 "	75	59	134
40—50 "	76	54	130
50—60 "	83	74	157
60—70 "	87	113	200
70—80 "	69	84	153
Over 80 years	27	61	88
Total	796	803	1,599

Monthly Distribution.

January	140	August	139
February	123	September	146
March	146	October	136
April	138	November	125
May	132	December	143
June	105		
July	126	Total	1,599

CAUSES.

	Males	Females	Persons
Anthrax	1	0	1
Bronchitis	13	18	31
Pneumonia	95	76	171
Cancer	26	56	82
Cerebro-spinal Meningitis	4	3	7
Cholera Infantum	16	14	30
Diarrhœa and Cholera Morbus	53	45	98
Dysentery	3	3	6
Diphtheria	22	13	35
Erysipelas	1	2	3
Fever, Scarlet	7	4	11
Fever, Typhoid	7	4	11
Influenza	4	6	10
Measles	4	6	10
Phthisis	68	70	138
Puerperal Septicæmia	0	5	5
Whooping-Cough	13	15	28
Diseases of Brain and Spinal Cord	67	92	159
Diseases of Heart	94	93	187
Diseases of Kidneys	55	50	105
Accident	39	23	62
Homicide	0	1	1
Suicide	13	4	17
Unknown and Ill-defined	36	46	82
All Other Causes	155	154	309
Total	796	803	1,599
Still Births	58	42	100

There died during the year 255 persons who were non-residents of the City.

A RETROSPECT.

The first Board of Health consisted of Mr. D. H. Thurston, Mr. G. F. Piper and Dr. H. P. Walcott, City Physician and member ex-officio.

"The Board of Health met for the first time February 5, 1878, and elected D. H. Thurston Chairman, and on February 7 John McDuffie Clerk. March 1, Dr. E. R. Cogswell was appointed Health Officer.

By virtue of the powers conferred upon Boards of Health by the Statutes of the Commonwealth, we have issued a notice calling upon physicians and householders to notify this Board at once of the occurrence of any case of small-pox, scarlet fever, diphtheria, or typhoid fever.

Between May 7 and December 31 the number of cases of diphtheria reported was 173, of which 44 were fatal. Between July 31 and December 31 there were 63 cases of scarlet fever with 1 death, and 27 cases of typhoid fever with 5 deaths."

It will be seen from this quotation from the first annual report of the Board of Health that "the returns obtained are for a part of the year only," and that the first complete year of notification begins with 1879.

The cases reported and the deaths recorded during the years 1879 to 1908 inclusive of typhoid fever, scarlet fever and diphtheria, the endemic, infectious diseases that are always with us, were as follows: (Diphtheria includes both the ordinary and the laryngeal form.)

TYPHOID FEVER		SCARLET FEVER		DIPHTHERIA	
Cases	Deaths	Cases	Deaths	Cases	Deaths
3297	511	7743	475	9539	1688

Appended to this retrospect will be found figures for the individual years.

Typhoid Fever.

For causes not now ascertainable, no data being extant, this disease appears to have been more than usually prevalent in the years 1886 to 1889 inclusive. The morbidity, however, is not high enough to warrant the belief that the causative micro-organism was water-borne.

The investigation of the outbreak of 1896, the greatest in the thirty years under consideration, proved it to be due to an infected milk supply confined to the route of one dealer.

The number of cases reported in the various months during the past thirty years is given below.

Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
139	107	110	99	97	93	148	476	734	623	401	272

Scarlet Fever.

From 1850 to 1878 inclusive, there occurred 910 deaths, 110 and 108 of which were in the years 1874 and 1875 respectively. These are

the largest numbers in any years down to the present time. 1866 is noticeable from the fact that no death is recorded in that year. From 1879, the first complete year of notification, the course of the disease is marked in broad outline by two great waves, the first rising quite suddenly to a morbidity of 8.51 in the year 1884, and then falling year by year to 1889, after which an uninterrupted ascent begins, culminating in the year 1894 with a morbidity of 11.37. It then dropped suddenly, remaining at a low level for the ensuing twelve years, when this course was broken by the minor outbreak of 1907. The peculiarity of this outburst, which appears to have been due to infected milk, lies in the fact that it was comprised within the eight weeks extending from January 6 to March 2, in which period were reported 248 of the 414 cases of the entire year, and of these, 120 occurred in the first week.

Diphtheria.

The term diphtheria occurs for the first time in the death records of this city in the death certificate of a person who died February 2, 1860. In no year since then up to the present time has it been absent from the death records. In the year 1859, "membraneous croup" made its first appearance in a death certificate.

Croup had figured as a cause of death in the returns for many years previously. From 1850 to 1858 inclusive, 107 deaths are recorded as due to this cause, and even after membraneous croup and diphtheria had entered the field of registered causes it continued to appear as a frequent cause of death, 215 deaths being certified as due to it from 1859 to 1890 inclusive. It is justifiable to assume that most, if not all, of these were diphtheria. After the latter date, 1890, it becomes infrequent as a certified cause of death.

From 1879 to 1889 the mean annual morbidity was 4.18 per 1,000 living. Then followed a period of five years of comparative quiescence, the morbidity dropping to 1.81. From thence on to the present time the figures are 4.87.

The fatality falls into three sharply defined periods, that from 1879 to 1894, 1895 to 1899, and that from 1900 to 1908. These three periods correspond respectively with the period before the discovery of anti-toxine, the period in which this remedy was being introduced, and that in which its use may be said to have become firmly established. During the first period the mean annual fatality was 32.35 per cent.; during the second period 15.60 per cent.; during the third period 7.57 per cent.

Measles.

This disease is characterized by violent fluctuations of high and low morbidity, the changes usually succeeding each other in alternate years, though now and then, as in 1895 and 1896, the difference is not so marked. As measles has only been notifiable since 1895 the years for comparison are few, but so far as it goes the course corresponds with that which has been observed in England. Measles has this peculiarity, that by far the larger proportion of cases in each outbreak occur in rapid succession, and the outbreak then collapses suddenly. Thus in 1897, out of 410 cases 387 occurred between January 1 and June 30. In 1899, out of 473 cases 379 occurred between March 25 and July 1. In 1901, out of 562 cases 432 occurred between April 6 and July 15. In 1902, out of 407 cases 361 occurred between January 1 and May 3. In 1904, out of 481 cases 461 occurred between January 9 and July 16. In 1906, out of 631 cases 580 occurred between January 1 and June 9. In 1908, out of 1197 cases 1014 occurred between February 1 and June 27. It will be observed that all these outbreaks occurred virtually in the first half of the year. The periodicity of measles outbreaks in Cambridge corresponds pretty closely with the English experience of which Whitelegge says: "Few towns in England escape an epidemic for much longer than two or at most three years at a time." T. W. Thompson in Stevenson's and Murphy's Hygiene says that "the fatality of this disease is stated by some observers to average 5, and by others 10. In some epidemics it may range as low as 2, and in others as high as 40 or 50."

The belief of some persons in this country in the harmlessness of measles is probably due to failure to recognize the connection between the not infrequent pulmonary affections and the antecedent attack of measles.

Typhus Fever.

During the five years from 1850 to 1854 there were recorded 12 deaths as due to this disease, 1 more was recorded in 1857, and 2 in 1864. In 1882 there were reported to the Board of Health 7 cases, 5 of whom were members of a family of Irish emigrants, one a young woman who was called in to attend the sick, and the other Dr. C. O. Turner, the Assistant City Physician, who had charge of the cases. All recovered with the exception of Dr. Turner, who died after an illness of about twelve days. In 1894 there were reported 4 cases: the first that of a cattleman from Liverpool, who was said to have

been ill from the time of sailing for home; the other three were children in the family of an Irish emigrant from Queenstown. These 4 cases all recovered.

Small-pox.

From 1850 to the present time there have been 158 deaths from this disease. During this period there have been but two epidemics of any size, that of 1872 and 1873, in which years 62 persons died, and that which extended from October 26, 1901, to April 23, 1903. In this epidemic there occurred 197 cases, of which 36 died. Of 110 unvaccinated persons 28 died, 25 per cent. Of the 87 vaccinated 7 died, 8 per cent. Of the vaccinated persons who died one, aged 41, had been vaccinated eight years before; four, aged respectively 19, 31, 62 and 76 years, in infancy; and two, aged respectively 40 and 50 years, in childhood.

Pulmonary Consumption.

From 1851 to 1908 inclusive, there have died of this disease 4005 males and 4448 females.

Below are given the mean annual death rates for males, females and all persons per 1,000 living in five-year periods, with the exception of the last period, which comprised three years.

	Males.	Females.	All Persons.
1851—1855	3.99	4.81	4.42
1856—1860	3.41	4.60	4.04
1861—1865	3.29	3.09	3.22
1866—1870	2.85	2.96	2.90
1871—1875	2.96	3.16	3.08
1876—1880	2.61	3.09	2.86
1881—1885	3.02	3.44	3.24
1886—1890	2.70	2.72	2.71
1891—1895	2.64	2.83	2.74
1896—1900	2.34	2.12	2.23
1901—1905	1.88	1.95	1.92
1906—1908	1.65	1.49	1.54

EDWIN FARNHAM, M. D.,

Physician to the Board of Health.

MORBIDITIES, FATALITIES AND DEATH RATES IN CAMBRIDGE, MASS.

From 1879 to 1908.

TYPHOID FEVER

YEARS

1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908

Cases Reported and Morbidity per 1000 Living.

50	49	102	100	111	89	64	132	125	165	200	75	70	80	92	120	107	255	105	96	100	111	96	128	123	136	111	128	90	87
0.96	0.93	1.86	1.80	1.95	1.52	1.07	2.18	1.91	2.50	2.94	1.08	0.97	1 07	1.20	1.50	1.31	3.03	1.22	1.09	1.11	1.20	1.03	1.36	1.29	1.41	1.13	1.29	0.90	0.86

Deaths Reported and Fatality per 100 Cases.

7	8	22	17	16	24	12	21	20	27	25	17	16	15	16	23	12	30	11	14	20	15	10	17	14	23	19	19	10	11
14.00	16.32	21.56	17.00	14.41	26.96	18.75	15 90	16.00	16.36	12.50	22.66	22.85	18.75	17.39	19.16	11.21	11.76	10.47	14.58	20.00	13.51	10.41	13.28	11.38	16.91	17.11	14.84	11.11	12.64

Death Rate per 1000 Living.

0.13	0.15	0.40	0.30	0.28	0.41	0.20	0.34	0.31	0.40	0.36	0.24	0.22	0.20	0.20	0.29	0.14	0.37	0.14	0.15	0.23	0.16	0.10	0.18	0.13	0.22	0.19	0.19	0.10	0.10

DIPHTHERIA

Cases Reported and Morbidity per 1000 Living.

261	190	214	208	272	225	211	235	202	222	351	157	115	130	103	176	573	455	321	152	502	925	615	460	322	330	350	517	323	422
5.04	3.60	3.95	3.75	4.78	3.86	3.53	3.80	3.16	3.36	5.16	2.24	1 59	1.74	1.33	2.24	7.27	5.40	3.74	1.73	5.58	10.00	6.61	4.88	3.38	3.42	3.59	5.24	3.23	4.18

Deaths Reported and Fatality per 100 Cases.

73	51	98	69	93	54	87	84	48	71	111	37	16	56	48	61	106	62	51	29	55	72	59	35	28	25	27	26	19	35
27.58	26.84	45.79	33.17	34.19	24.00	41.23	35.74	23.76	31.98	31.62	23.56	13.91	43.07	46.60	34.65	18.49	13.62	15.88	19.07	10.95	7.78	9.59	7.60	8.69	7.57	7.71	5.02	5.88	8.29

Death Rate per 1000 Living.

1.41	0.96	1.81	1.24	1.63	0.92	1.45	1.36	0.75	1.07	1.63	0.52	0.22	0.74	0.53	0.76	1.29	0.77	0.60	0.34	0.61	0.78	0.65	0.36	0.30	0.26	0.27	0.26	0.19	0.34

SCARLET FEVER

Cases Reported and Morbidity per 1000 Living.

167	92	117	71	166	496	397	229	209	149	116	189	354	374	680	901	293	198	231	122	158	176	101	199	188	135	150	166	414	495
3.23	1.78	2.16	1.28	2.93	8.51	6.65	3.70	3.27	2.26	1.70	2.69	4.90	5.01	8.84	11.37	3.59	2.35	2.68	1.38	1.75	1.91	1.08	2.11	1.97	1.40	1.53	1.68	4.15	4.90

Deaths Reported and Fatality per 100 Cases.

19	5	1	8	15	29	23	6	18	22	7	10	10	17	67	101	17	6	10	6	8	9	8	9	10	3	4	6	10	11
11.37	5.43	0.85	11.26	9.03	5.84	5.79	2.62	8.61	14.76	6.03	5.29	2.82	4.54	9.85	11.20	5.80	3.06	4.32	4.91	5.06	5.11	7.92	4.52	5.31	2.22	2.66	3.62	2 41	2.22

Death Rate per 1000 Living.

0.36	0.09	0.01	0.14	0.26	0.49	0.38	0.09	0.28	0.33	0.10	0.14	0.13	0.22	0.87	1.27	0 20	0.07	0.11	0.06	0.08	0.09	0.08	0.09	0.10	0.03	0.04	0.06	0.10	0.10

MEASLES

Cases Reported and Morbidity per 1000 Living.

																249	228	410	53	473	138	562	407	80	481	112	631	60	1197
																3.05	2.72	4.78	0.60	5.26	1.50	6.04	4.32	0.84	4.99	1.14	6.40	0.60	11.86

Deaths Reported and Fatality per 100 Cases.

0	4	2	1	10	1	8	4	23	2	16	1	8	2	11	0	3	5	3	1	8	0	10	4	4	8	5	5	8	10
																1.20	2.20	0.73	1.80	1.69	0.00	1.76	0.98	5.00	1.66	4.46	0.79	13.33	0.83

Death Rate per 1000 Living.

0.00	0.07	0.03	0.01	0.17	0.01	0.13	0.06	0.36	0.03	0.23	0.01	0.11	0.02	0.14	0.00	0.03	0.05	0.03	0.01	0.08	0.00	0.10	0.04	0.04	0.08	0.05	0.05	0.08	0.09

REPORT OF THE BOARD OF PARK COMMISSIONERS.

To the Honorable, the City Council of the City of Cambridge:—

GENTLEMEN:—The Board of Park Commissioners has the honor to submit herewith its sixteenth annual report covering the municipal year ending March 31st, 1909, and four months' period between the municipal years of 1907 and 1908; also the fifteenth annual report of the General Superintendent of Parks, as required by Section 4 of the Ordinance establishing a Park Department.

In its report of 1894 the Cambridge Board of Park Commissioners gave great attention to the proposed dam, and with the report included the argument of A. M. Mattice, M. E., made to the Board, which was the fullest and most complete statement of facts presented to the public at that time.

In October of 1908, fourteen years later, the river was closed by the temporary dam and the great lock put into successful operation. The water in the basin and river is now maintained at a permanent level, and Cambridge today fronts on one of the most valuable water parks ever given a municipality.

From this time on the Commissioners expect to see visible results from their efforts of so many years. The basin and river will surely be the most valuable asset of Cambridge and its river drive will add enormously to real estate values along its entire length.

The Park Commissioners recognize its importance and will do their best to promote its development. They, however, beg co-operation on the part of all citizens for the single purpose of getting the best results from a rare opportunity.

We have reached the time when the City should give better protection to its property along the river, and hoodlumism stamped out forever. For more than two hundred years the City turned its back to the Charles; now it is time to turn its face to the river and to obtain the benefits from the large expenditure of money made.

A portion of the sea wall above Harvard Bridge has been taken down and the stone used to build the wall back of the Electric Light Station and the Riverside Press; also to build wing walls at Western Avenue and River Street. The roadway has been brought to its rough grade; the bridge over the Grand Junction track completed; a large proportion of the beaches built, and it requires but the finishing touches to make the driveway complete from the Cambridge Bridge to Mt.

Auburn Street. We are approaching the end of a tremendous undertaking, one which but few American cities would have the courage to undertake. This large expenditure has added to the city's tax rate, but the results that will be obtained will prove the wisdom of the undertaking.

Adjoining the Esplanade, near the new Cambridge Bridge, has been erected during the past year a huge exhibition building of importance and value to Cambridge and Boston, not quite appreciated today. Here will be afforded an unequalled opportunity for conventions or manufacturers' exhibits, which should produce valuable results to Metropolitan Boston, of which Cambridge is a very important part.

EAST CAMBRIDGE EMBANKMENT.

Filling is being delivered upon the Embankment from the Subway test pits without cost to the City, and if a sufficient quantity is received it will be quite possible to very nearly complete this important playground this year.

RINDGE FIELD.

Such work has been done during the year as could be carried on economically, and it is the purpose of the Commissioners to continue the same until Rindge Field Park is completed.

PLAYGROUNDS.

The following act relative to playgrounds was accepted by the voters at the election in March. It will not be difficult for the Commissioners to conform to the act with moderate expense.

CHAPTER 513, ACTS OF 1908.

AN ACT TO PROVIDE FOR PUBLIC PLAYGROUNDS IN CERTAIN CITIES AND TOWNS.

Be it enacted, etc., as follows:—

SECTION 1. Every city and town in the Commonwealth having a population of more than ten thousand, accepting the provisions of this act shall, after the first day of July, in the year nineteen hundred and ten, provide and maintain at least one public playground conveniently located and of suitable size and equipment, for the recreation and physical education of the minors of such city or town, and at least one other playground for every additional twenty thousand of its population.

SEC. 2. Cities and towns may appoint, and determine the compensation of a qualified supervisor of each playground, who shall direct the sports and exercise thereon.

SEC. 3. In cities and towns where the provisions of this act are not already satisfied, land for the purpose aforesaid may be taken, and the money necessary to pay for such land may be raised in accordance with sections nineteen, twenty and twenty-one of chapter twenty-eight of the Revised Laws; and any land owned by the city or town may be set aside by vote of the city council, or of the board of selectmen, for the purposes of this act.

SEC. 4. In cities and towns which have a population of more than ten thousand, and which have not already satisfied the provision of this act, the following question shall be placed on the official ballot at the next city or town election: Shall chapter 513 of the acts of the year nineteen hundred and eight, requiring certain cities and towns to provide public playgrounds, be accepted by this (city or town)?

SEC. 5. This act shall take effect in any city or town to which it applies upon its acceptance by a majority of the voters as aforesaid. (Approved May 12, 1908.)

SHADE TREES.

The condition of the street trees is very bad and the problem of keeping the elm beetle under subjection is a serious one. Early spraying and diligent work is necessary, but co-operation on the part of property owners is very essential if success is to be attained.

There are a very large number of dead trees which were killed by the elm beetle last year; these are not only unsightly but dangerous, and they must be removed at once.

It is the purpose of the Commissioners to replace them with rock maples as fast as the work can be done with the appropriation made for the purpose.

SMOKE NUISANCE.

The smoke problem is now in the hands of the Board of Health and the Commissioners trust that it will be given serious consideration. Many days in the summer the heavy volume of black smoke creates a condition at Cambridge Field which is almost unbearable; a similar condition often exists along the Esplanade. The City has expended large sums in preparing places where the public may go to get fresh air and sunshine, and it is deplorable that the neglect of factory managers should so seriously injure them.

It is not within the province of the Board to discuss the smoke nuisance in its relation to the City in general, but when it seriously menaces the health and comfort of those who use the City parks it is proper to earnestly protest.

POLICE.

The police protection afforded the parks is insufficient. The damage done yearly by irresponsible young men and boys is very considerable. The Commissioners urge that the matter be given serious consideration.

FINANCIAL STATEMENT.

Covering the four months (December 1st, 1907, to April 1st, 1908) between the financial years of 1907 and 1908.

PARK LOANS.

Amount of unused balance of 1907 appropriation reappropriated December 4, 1907		$6,219 81
Construction and Lands	$5,829 16	
East Cambridge Embankment	289 95	
Rindge Field	100 70	
	$6,219 81	

PARK MAINTENANCE.

Brown Tail Moth Extermination—	
Amount appropriated December 1, 1907	$5,000 00
Cambridge Field and Shelter—	
Amount appropriated December 1, 1907	1,999 66
Commons, Squares and Public Grounds—	
Amount appropriated December 1, 1907	1,766 54
Shade Trees—	
Amount appropriated December 1, 1907	1,666 64
Sections A, B, D and F—	
Amount appropriated December 1, 1907	1,599 88
Bath House—	
Amount appropriated December 1, 1907	766 52
Salaries—	
Amount appropriated December 1, 1907	764 67
Sections G and H—	
Amount appropriated December 1, 1907	666 59
General Account—	
Amount appropriated December 1, 1907	466 53
Rindge Field—	
Amount appropriated December 1, 1907	333 22

During this period bills payable from Park Loans have been approved by the Board and certified to the Auditor to the total amount of $4,669.58, as follows:—

PARK LANDS AND CONSTRUCTION.

River Parkway, Section C—		
Construction account	$3,315 92	
River Parkway, Section D—		
Construction account	425 70	
River Parkway, Section F—		
Construction account	140 13	
General Account—		
Construction account	508 28	
Nursery—		
Construction account	245 80	
Rindge Field—		
Construction account	33 75	
Amount expended		$4,669 58
Amount unexpended		1,550 23

During this period bills payable from Park Maintenance have been approved by the Board and certified to the Auditor as follows:—

	Amount Expended	Balance Unexpended
Brown Tail Moth Extermination	$4,379 85	$620 15
Cambridge Field and Shelter	1,371 48	628 18
Shade Trees	910 56	756 08
Salaries	755 00	9 67
Commons, Squares and Public Grounds	634 43	1,132 11
Sections A, B, D and F	632 43	967 45
General Account	319 87	146 66
Sections G and H	268 56	398 03
Rindge Field	93 57	239 55
Bath House	2 63	763 89

FINANCIAL YEAR 1908.

PARK LOANS.

Amount of unused balance of four months' appropriation reappropriated April 16, 1908			$1,550 23
Lands and Construction	$1,193 33		
East Cambridge Embankment	289 95		
Rindge Field	66 95		
		$1,550 23	
Amount appropriated May 13, 1908			30,000 00
Amount appropriated Sept. 17, 1908			12,000 00
			$43,550 23

PARK MAINTENANCE.

Brown Tail Moth and Elm Beetle Extermination—		
Amount appropriated June 1, 1908	$3,000 00	
Amount appropriated June 25, 1908	5,000 00	
		$8,000 00
Cambridge Field and Shelter—		
Amount appropriated June 1, 1908	$6,000 00	
Amount transferred March 23, 1909, to Salaries	5 00	
		5,995 00
Sections A, B, D and F—		
Amount appropriated June 1, 1908	$4,800 00	
Amount transferred March 23, 1909, from Maintenance, Rindge Field	182 00	
		4,982 00
Shade Trees—		
Amount appropriated June 1, 1908		4,500 00
Commons, Squares and Public Grounds—		
Amount appropriated June 1, 1908		4,100 00
Bath House—		
Amount appropriated June 1, 1908	$2,300 00	
Amount transferred March 23, 1909, to Maintenance, General Account	104 00	
		2,196 00

Salaries—			
Amount appropriated June 1, 1908		$2,300 00	
Amount transferred March 23, 1909, from Cambridge Field and Shelter		5 00	
			$2,305 00
Sections G and H—			
Amount appropriated June 1, 1908			2,000 00
General Account—			
Amount appropriated June 1, 1908		$1,400 00	
Amount transferred July 2, 1908, to Street Department		396 00	
		$1,004 00	
Amount transferred March 23, 1909:			
From Bath House	$104 00		
From Maintenance, Rindge Field	74 00		
		178 00	
			1,182 00
Rindge Field—			
Amount appropriated June 1, 1908		$1,000 00	
Amount transferred March 23, 1909:			
To Sections A, B, D and F	$182 00		
To Maintenance, General Account	74 00		
		256 00	
			744 00
Sand Gardens—			
Amount appropriated June 1, 1908			200 00

During the year bills payable from Park Loans have been approved by the Board and certified to the Auditor to the total amount of $43,395.08 as follows:—

PARK LANDS AND CONSTRUCTION.

River Parkway, Section A—	
Construction account	$219 51
River Parkway, Section B—	
Construction account	10,838 96
River Parkway, Section C—	
Construction account	6,807 08
River Parkway, Section D—	
Construction account	4,236 97
River Parkway, Section E—	
Construction account	323 98
River Parkway, Section F—	
Construction account	6,398 50
Rebuilding Sea Walls—	
Construction account	10,887 89
Rindge Field—	
Construction account	1,329 50
Amount carried forward	$41,042 39

PARK LANDS AND CONSTRUCTION—Continued.

Amount brought forward	$41,042 39	
East Cambridge Embankment—		
Construction account	289 00	
General Account—		
Construction account	1,913 95	
Nursery—		
Construction account	149 74	
Amount expended		$43,395 08
Amount unexpended		155 15

During the year bills payable from Park Maintenance have been approved by the Board and certified to the Auditor as follows:—

	Amount Expended	Balance Unexpended
Brown Tail Moth and Elm Beetle Extermination	$7,999 17	$ 83
Cambridge Field and Shelter	5,994 81	19
Sections A, B, D and F	4,981 91	09
Shade Trees	4,499 94	06
Commons, Squares and Public Grounds	4,099 83	17
Salaries	2,305 00	..
Bath House	2,195 97	03
Sections G and H	1,999 68	32
General Account	1,181 27	73
Rindge Field	743 54	46
Sand Gardens	199 04	96

A detailed classification of the expenditures will be found in the report of the General Superintendent.

Since the beginning of the work in 1893 there has been expended to date of money raised under Park and Esplanade Loans, the sum of $1,575,231.76.

The division is as follows:—

River Parkway, Section A—		
Construction account	$162,545 23	
Land account	9,416 83	
		$171,962 06
River Parkway, Section B—		
Construction account	$108,100 79	108,100 79
River Parkway, Section C—		
Construction account	$114,305 59	
Land account	31,701 08	
		146,006 67

River Parkway, Section D—		
Construction account	$116,661 31	
Land account	95,047 25	
		$211,708 56
River Parkway, Section E—		
Construction account	$1,259 70	
Land account	60,110 00	
		61,369 70
River Parkway, Section F—		
Construction account	$68,970 21	
Land account	67,491 62	
		136,461 83
River Parkway, Section G—		
Construction account	$120,669 41	
Land account	86,824 82	
		207,494 23
River Parkway, Section H—		
Construction account	$13,135 30	13,135 30
Cambridge Field—		
Construction account	$127,315 28	
Land account	78,884 85	
		206,200 13
East Cambridge Embankment—		
Construction account	$102,987 93	
Land account	45,231 40	
		148,129 33
General Account		
Construction account	$55,352 45	55,352 45
Rindge Field—		
Construction account	$17,408 59	
Land account	31,461 85	
		48,870 44
Office Expenses—		
Construction account	$15,915 29	15,915 29
Broadway—		
Construction account	11,635 27	11,635 27
Rebuilding Sea Walls—		
Construction account	10,887 89	10,887 89
Nursery—		
Construction account	9,240 49	9,240 49
Improvements at Rindge Field—		
Construction account	7,788 98	7,788 98
Hastings Square—		
Construction account	2,683 07	2,683 07
Baths and Lockers—		
Construction account	2,500 00	2,500 00
Winthrop Square—		
Construction account	1,866 26	1,866 26
Mill Pond—		
Construction account	999 77	999 77

Fort Washington—		
Construction account	$929 79	$929 79
Washington Elm—		
Construction account	466 98	466 98
Porter Square—		
Construction account	20 87	20 87
		$1,579,726 15
Less Park revenue for 1894 and 1896 merged into land and construction accounts		4,494 39
		$1,575,231 76

Of the whole amount of Park Loans expended to April 1st, 1909, 32 per cent. has been for land and 68 per cent. for construction as follows:—

Land account (less revenues) . . .	$501,675 31	
Construction account	1,073,556 45	
		$1,575,231 76

Respectfully submitted,

GEORGE HOWLAND COX,
CHARLES S. CAHILL,
WILLIAM M. WADDEN,

Park Commissioners.

REPORT OF THE GENERAL SUPERINTENDENT OF PARKS.

CAMBRIDGE, April 1st, 1909.

To the Board of Park Commissioners of the City of Cambridge:—

GENTLEMEN:—I have the honor to present herewith my third annual report as General Superintendent of Parks, covering the financial year of 1908, together with the four months period (December 1st, 1907, to April 1st, 1908) between the financial years of 1907 and 1908.

SECTION A.

(*Area* 9.07 *acres.*)

Section A extends from the south line of Main Street as widened for the approach to the new Cambridge Bridge to the west line of the third street east of Massachusetts Avenue.

Seven Welsbach lights have been maintained during the year.

The trees are in good condition, four new ones having been planted to replace those that had died.

On account of the completion of the Exposition Building it becomes necessary to grade and finish the section directly in front of it for a distance of 600 feet and a width of 80 feet.

The thirty-foot roadway from the building to Cambridge Bridge is in a very uneven condition and should be rebuilt the coming season.

These improvements will be in keeping with the building, which will, no doubt, be visited by a large number of people on the occasion of the first exposition which it is expected will be held this year.

Up to the present date 231.6 cubic yards of loam have been placed at a cost of $219.51.

SECTION B.

(*Area* 19.72 *acres.*)

Section B extends from the west line of the third street east of Massachusetts Avenue to the west line of the fourth street west of the avenue, but does not include Massachusetts Avenue.

Twenty-six Welsbach lights have been maintained during the year.

The usual maintenance work has been done during the season,

four men being constantly employed from the first day of April to the first of November, cleaning shrubbery beds, edging ribbon strips and keeping the roadway and sidewalks in proper condition. During July and August great care was given to the weeding of the beds.

A three-inch covering of good binding gravel was placed on 600 feet of the 30-foot roadway adjoining Section C, and rolled with a ten ton steam roller.

The remaining length of the roadway from this point to Massachusetts Avenue should receive the same treatment the coming year as the traffic from automobiles has entirely worn the surface.

Two hundred shrubs were planted in the beds to replace many that had been trampled out.

The landing near Massachusetts Avenue was placed in position and used all summer by those owning pleasure boats.

The material used on the section is as follows: 54.2 cubic yards cinders; 27.7 cubic yards loam; 232.2 cubic yards gravel at a total cost of $328.73.

SECTION C.

(*Area* 13.39 *acres.*)

Section C extends from the west line of the fourth street west of Massachusetts Avenue to the east line of Brookline Street.

A change in the plans of the landscape gardeners at this section of the parkway necessitated several improvements: first, the removal of 356 feet of old sea wall and building a return wall; second, the continuation of the beach to include that part of the section which the old sea wall formerly enclosed.

A contract was made with George T. Rendle of Boston, September 17th, 1908, to remove a portion of the old sea wall at Section C and build a return wall, also wing walls at Sections D and F; and 400 feet of wall at Section E. All work was done under the supervision of City Engineer L. M. Hastings.

The work was started within a week after the signing of the contract and the removal of the wall was completed only as the other walls were started, the stone being carted up the river to the various points on lighters.

The thirty-foot roadway was given a 3-inch covering of good binding gravel for a distance of 2,100 feet to the foot of the elevation of the railroad bridge. This, after being rolled with a ten ton roller, opened up a roadway through Sections B and C of 2,700 feet.

The work of the year also included the excavating of considerable loam and filling material to continue the beach; and the department was successful in removing about half the required amount. The filling removed was carted to the thirty-foot roadway at the elevation of the bridge.

A contract was made with the W. A. Snow Iron Works to build an iron fence on the return wall at the section built by Mr. Rendle, and this has just been completed.

This year it is hoped that the entire beach may be completed and thus open up one of the prettiest parts of the system.

Seventeen maple trees were planted on the section and are showing good results.

From the material received this year the elevation leading over the bridge has been widened to 20 feet and extended 400 feet in length, and although in an unfinished condition the road has been largely used by vehicles coming over the Brookline Bridge.

I would recommend that filling be secured as soon as practicable in order that the road over the bridge may be widened to the full width to accommodate the great traffic in both directions.

The material received during the four months from December 1st, 1907, to April 1st, 1908, cost $2,580.59, and is as follows: 8,033 cubic yards cinders, 1,545.6 cubic yards and 1,925 loads filling.

SECTION D.

(*Area* 38.31 *acres.*)

Section D extends from the west line of Brookline Street to the south line of River Street.

Twenty-nine Welsbach lights have been maintained, eighteen on the driveway and eleven on the island, together with three arc lights on the beach during the bathing season.

The usual maintenance work has been done during the year.

Two men have been constantly employed cutting grass, cleaning shrubbery beds and taking care of the roadway between Magazine and Brookline Streets, together with cleaning the bath houses during the summer months.

The roadway between Magazine and Brookline Streets, has been treated with an application of Tarvia, as an experiment to remedy the worn places in the surface. The application proved most successful, not only as a road builder but also as a dust layer. Tarvia seems to be a good as well as an economical treatment for all roadways in the

Parkway, since it has stood a test in one of the most travelled sections of the park driveway, at a cost of about 3 1-3c. per square yard.

The driveway between Magazine and River Streets, which, up to last year, was built to only half the proposed width, has been widened to its full width with cinders and filling received during the year.

A wing wall, seventy feet long, running east from River Street, was built under the contract with Mr. Rendle, thus placing the section in a fair condition as to completion.

Tree planting will undoubtedly be started in the spring and a small amount of work will finish the roadway and put it in an excellent condition for the great traffic of vehicles which pass over it daily.

The bath house was open from June 17th to September 12th. The usual number of attendants was employed: two life guards, two attendants in the men's bath house, one each in the men's locker house and boys' locker house; one in the women's bath house, and one selling tickets. During the summer, thousands took advantage of the bathing, especially the young people, who remained often during the entire bathing hours. The laundry work was done by the J. & C. Laundry, at $2.00 per hundred pieces for the suits and $1.00 per hundred pieces for towels and stockings. The laundry gave very good satisfaction and the prompt service rendered accommodated the department many times.

The total receipts from the use of towels, suits and lockers amounted to $1,705.21, the largest amount ever received from the house, making the year a banner one both as to finances and popularity.

The water in the river being now at a constant level may affect the bathing this coming summer, many being of the opinion that the water freshened will not be as good for bathing as formerly, under the change of tide. How this change will affect the popularity of the beach can be readily seen after the bath house has been opened a month.

The following is an account of the material received up to date, at a cost of $3,393.55: 2,778.7 cubic yards ashes, 60 loads gravel, 1,490 loads filling, 957 loads and 3,223.5 cubic yards cinders, 48.2 cubic yards loam.

SECTION E.

(*Area* 1.77 *acres.*)

Section E extends from the north line of River Street to the south line of Western Avenue.

About 400 feet of sea wall were built under the contract with Mr. Rendle. This necessitated the removal of the old bulkhead and the cutting of the piles about one foot below the level of the water in order that the contractor might drive piles for the foundation of the wall.

In order to give room to the contractor the department was obliged to remove the piazza of the Riverside Boat Club House; jack and brace the two buildings of the Riverside Press and remove the coal run, all these belonging to the City but rented by the different firms.

SECTION F.

(*Area* 13.89 *acres.*)

Section F extends from the north line of Western Avenue to the east line of Boylston Street.

Seventeen Welsbach lights have been maintained; nine all year and eight extra lights since last August.

Two men have been employed during the season, cutting grass, cleaning the shrubbery beds and ribbon strips and keeping the roadway and sidewalks clean.

A contract was made with John M. Riley, June 6th, 1908, to furnish binding gravel at this section. Under the contract, about 1,000 cubic yards were delivered and placed on the forty-feet road between De Wolfe Street and Western Avenue. Tree pits have been dug and ten cubic yards of loam placed in each. Nine hundred thirty-nine and two-tenths cubic yards loam have been used on the ribbon strips, both sides of the road, at a cost of $658.72, and this prepares them for sodding in the spring.

About 1,100 feet of the beach between De Wolfe Street and Western Avenue have been brought to sub-grade, making it now ready for a covering of coarse gravel. About 175 feet of the beach between De Wolfe Street and the old college wharf is still in an unfinished condition. Two thousand two hundred cubic yards of mud must be removed to bring the beach to sub-grade and placed east and west of the portion removed, where filling is necessary to fill large holes. This removal could readily be done either by dredging or teaming.

Sixteen oak and eight plane trees were planted on the upper part of the section to replace those which did not seem to withstand the soil.

The old Weld Boat Club House was sold the past year to the St. Alphonsus Association of Roxbury for $1,000. And since the sale has

been removed to the Boston side of the river near the Brookline Street Bridge.

SECTION G.

(*Area* 16.07 *acres.*)

Section G extends from the west line of Boylston Street to the east line of the land of the Stillman Infirmary.

Twenty-six Welsbach lights have been maintained during the year.

Three men have been employed, caring for the shrubbery beds, beach and roadway and cutting grass.

Several of the younger trees died the past season and should be replaced in the spring.

Ten plane trees were replanted.

The roadway here as well as throughout the Parkway is much used as a thoroughfare and should receive attention, especially near the curve at Bath Street.

The ribbon strip between Murray Street and Bath Street has been used by people as a sidewalk, thus trampling the grass to such an extent as to harden it like a roadway. Special signs calling attention to the fact that it was a grass plot were placed here but no attention was paid to them either by passers-by or the police.

I can see no other remedy for this than to place a wire fence around the space until the grass is again in good condition.

SECTION H.

(*Area* 1.44 *acres.*)

Section H extends from the east line of the land of the Stillman Infirmary to the Metropolitan Park taking at Gerry's landing.

The section received the usual attention from the men who were employed at Section G.

The only extra work on the section being the painting of the iron fence with sea board paint.

EAST CAMBRIDGE EMBANKMENT.

(*Area* 8.35 *acres.*)

No work has been done here by the department the past season as the Charles River Basin Commission was constructing a trunk

sewer in Commercial Avenue and used a large part of the Park land for storing material. All surplus material from the construction of the sewer was placed on the Embankment by the contractor without expense to the City, bringing this part of the section up to sub-grade and leaving it in a condition, which at a small cost, could be developed this coming season into an excellent playground for the children of the vicinity.

This improvement would give to the children of East Cambridge a much needed recreation centre. I would recommend that a baseball field be laid out for the older boys and wading pools and sheltered sand courts for the younger children.

RINDGE FIELD AND NURSERY.

(*Area* 11.52 *acres.*)

Two Welsbach lights have been maintained during the year.

One man has been constantly employed during the season, cutting grass, cleaning the walks and taking care of the ball field. The field was very popular during the summer months, many hundred people watching the ball games Saturday afternoons.

The lawn to be built on the Groveland Road side of the field has been graded and is now ready for seeding.

The lawn running parallel with Rindge Avenue as well as the centre lawn was seeded early in the spring and gave very good results.

The yard south of the building has been brought to sub-grade and now requires a two-inch covering of binding gravel to complete the construction work.

About 2,000 cubic yards of filling were received from the Sewer Department without cost and placed south of Railroad Street in the low land running parallel with the railroad.

The shelter was open from June 5th to November 7th, 1908, and was closed when the cold weather began, this being necessary on account of the building being without a heating apparatus.

The gymnasium was well patronized, together with the swings and sand courts, by the children of the vicinity.

One man has been constantly employed at the Nursery, caring for the trees and shrubs. Thirty-six trees were cut down and 235 red oaks transplanted during the season.

Twenty-four maple and five American elm trees were planted during the year.

The following inventory gives an account of stock on hand at the Nursery:—

TREES.

Acer platanoides	13
Acer saccharum	11
Platanus orientalis	7
Quercus rubra	90
Salix pentandra	7
Tilia Americana	12
Ulmus Americana	57

SHRUBS.

Amorpha fruticosa	7
Andromeda japonica	8
Aralia pentaphylla	76
Azalea amoena	10
Baccharis halimifolia	15
Berberis vulgaris	9
Buxus sempervirens	20
Calycanthus floridus	21
Caragana arborescens	43
Ceanothus Americanus	6
Celastrus scandens	38
Clethra alnifolia	137
Cornus alba	17
" florida	33
" paniculata	19
" sericea	140
" sanguinea	53
Cratægus oxycantha	52
Deutzia crenata	10
Deutzia gracilis	10
Eleagnus longipes	14
Euonymus radicans	150
Exochorda grandiflora	31
Forsythia fortuneii	100
Forsythia viridissima	70
Hydrangea asplenifolia	40
Hydrangea Paniculata	7
Ilex glabra	12
Ilex vertirillata	8
Kalmia latifolia	30
Ligustrum ibota	25
" vulgaris	22
Lonicera brachypoda	50
" halliana	40
" tatarica alba	25
" tatarica	90
Lycium barbarum	7
Mahonia aquifolia	18
Philadelphus coronarius	20
Periploca græca	20
Rhamnus catharticus	20
Rhodotypos kerriodes	5

SHRUBS—Continued.

Rhus aromatica	50
" canadensis	30
" typhina	15
Ribes aureum	2
Robinia hispida	5
Rosa multiflora	15
" nitida	1
" robina	6
" rugosa	200
" setigera	6
" wichuraiana	20
Spiræa Anthony Waterer	33
" aurum	6
" billardii	9
" bumalda	35
" pruniflora	5
" salicifolia	23
" Van Houteii	31
" tomentosa	20
Staphylea trifolia	40
Stephanandra flexuosa	16
Symphoricarpos vulgaris	92
Syringa vulgaris	26
Tamarix africana	6
Viburnum cassinoides	38
" dentatum	42
" lantana	40
" lentago	2
" opulis	18
" opulis nana	4
" tomentosa	11
Vinca minor	200
Xanthrorrhiza apilfolia	100

The following is an account of the stock on hand at the Shelter:—

222 ft. spraying hose (poor condition).
200 ft. rubber hose.
50 ft. rubber hose (poor condition).
17 wheelbarrows (poor condition).
14 long-handled shovels.
7 grub picks.
6 wheelbarrows (new).
4 wooden rakes.
3 iron rakes.
3 scufflers.
3 wooden rakes.
3 iron rakes.
2 scoops.
2 spades.
2 manure forks.
2 35-ft. ladders.
1 30-ft. ladder.
1 half ladder.
I scythe and snath.

CAMBRIDGE FIELD.

(*Area* 12.64 *acres.*)

The usual work of maintenance has been carried on during the season.

Four men have been employed during the spring and summer months and one man during the winter.

The shrubbery beds were thoroughly cleaned and trimmed and 900 shrubs replanted in places where many had been trampled upon.

Sixteen plane trees were planted, replacing those that had died.

The sports brought thousands of people to the field on Saturdays, as well as holidays and the games of baseball, football and cricket seemed to be the most popular.

The field was in good condition for skating twenty-four days out of the season and it is needless to say that the area flooded was crowded at all times.

The running track was appreciated by those training and the baths and lockers at the Shelter came in for equal patronage.

The lighting system in the baths and lockers was altered; the old lights and wires being replaced by lights and safety appliances. A new metallic ceiling was put in the bath room.

The boiler used in connection with the heating system has given very little satisfaction this past year and should be overhauled before another year.

Several requests have been made for a board walk on the Berkshire Street side of the field in order to accommodate the number attending the new church on York Street but as these walks have proven neither economical nor beneficial I would recommend a granolithic walk being laid, thus doing away with the care of lifting twice a year of a board one.

The shower baths continue to increase in popularity as is shown, not only from the table of bathers but also from the total receipts of $416.94, for the sixteen months' period covered by this report.

ATTENDANCE—SHOWER BATHS.

	Men	Women	Boys	Girls
December, 1907	1,715	513	281	23
January, 1908	1,954	440	187	...
February, "	2,135	618	508	...
March "	2,910	637	777	47
	8,714	2,208	1,753	70

Total, 12,745.

April	2,890	704	993	60
May	3,609	1,006	1,662	88
June	6,482	1,721	4,782	912
July	6,701	1,800	5,692	864
August	5,892	1,771	7,078	1,078
September	4,796	1,601	4,376	539
October	3,797	883	1,587	111
November	3,011	517	311	...
December	2,456	519	89	...
January, 1909	2,435	564	103	...
February	2,308	342	188	...
March	2,512	614	214	...
	46,889	12,042	27,075	3,652

Grand total, 89,658.

The following is a list of stock on hand at the field:—

1300 ft. rope.
350 towels.
150 ft. garden hose.
30 iron stakes.
9 boxes soap.
6 lanterns.
5 iron rakes.
4 picks.
4 spades.
4 reed push brooms.
4 lawn mowers.
4 scufflers.
3 long-handled shovels.
3 iron wheelbarrows.
2 crow bars.
2 barrels wood ashes.
2 wooden rakes.
2 wooden scoops.
2 floor brushes.
2 grubbers.
2 short-handled shovels.
2 trimming shears.
2 step ladders.
2 forks.
1 monkey wrench.
1 sod edger.
1 sledge hammer.

1 hand saw.
1 cross-cut saw.
1 large reel for fire hose.
1 ice scraper.
1 platform truck.
1 axe.

CAMBRIDGE COMMON.

Two men were constantly employed during the season cutting grass, cleaning the walks and lawns, as well as weeding, where necessary.

The fences around the Common as well as Soldiers' Monument are in very good condition.

The granolithic walk laid last year between Massachusetts Avenue and Waterhouse Street has given perfect satisfaction and I would recommend again this year that an appropriation be requested in order that three more walks may be built in like manner and in order to do away entirely with the board walks in the other paths.

BROADWAY COMMON.

The usual care has been given the Common during the season.

On account of the large number of people frequenting this ground it has been found very difficult to keep it in as good condition as it should be.

FORT WASHINGTON.

The flag pole here, which has been in very poor condition for four years, was repaired by cutting off the base about six feet and placing on the pole thus shortened four new oak braces, 14 feet long and one foot high with wedges at both sides. The pole then received two coats of paint, the weather vane two coats of sizing and one of gilt. These repairs have put the pole in first-class shape.

HASTINGS AND DANA SQUARES.

The usual care has been given the grass and shrubs.

The walks were cleaned and the shrubbery beds scuffled.

CITY HALL AND WINTHROP SQUARE.

Both these grounds have received the usual attention during the season as to cutting grass and weeding.

PUBLIC LIBRARY GROUNDS.

The grounds around the Public Library, Manual Training, English High and Latin Schools received the attention of two men during the season.

SAND GARDENS.

The appropriation of $200, made under this title, was spent as follows:—

Ten boxes, 12 feet by 12 feet by 18 inches, were built and one each placed in the following-named school yards: Gore, Lassell, Riverside, Tarbell, Taylor and Parker; together with two each at Rindge Field and Broadway Common. The instruction in each place, as well as the care of the children, was provided for by the Pine Street Playground Committee and the boxes proved a most enjoyable sport for the younger children.

WASHINGTON ELM.

The perforated water pipe which was laid last year with the purpose of giving additional moisture to the historic tree has to all appearances given perfect satisfaction. The tree has been watered twice a week, both from the hydrant and underground pipe.

Dead wood has been removed and the tree is now in excellent condition and looks as if it would live for many years to come.

It has been sprayed twice with arsenate of lead to destroy the elm beetle.

The iron fence surrounding the tree has been painted.

SHADE TREES.

Owing to the fact that the appropriation for this work was $500 less than that granted for the preceding year the required amount of work was not accomplished.

During April and the first part of May about three hundred trees were planted on different streets throughout the city and sec-

tions of the River Parkway; 37 heads were removed from dead trees and 93 dead trees removed; 7 live trees removed by order of your Board; 211 guards placed and 50 old guards repaired; 361 trees trimmed on orders from citizens.

On account of the destruction of the elm tree by the ravages of the beetle 400 street trees have died and these must be removed to avoid accidents from falling limbs.

The appropriation, therefore, for the coming year must be much larger than ever.

BROWN TAIL MOTH AND GYPSY MOTH EXTERMINATION.

On account of the change in the municipal year from December 1st to April 1st, this report contains the work of two seasons in regard to extermination; one covering from December 1st, 1907, to April 1st, 1908, and the second from December 1st, 1908, to April 1st, 1909.

On December 2d, 1907, the park employees commenced the work of extermination on private estates, removing the nests of the brown-tail moth from the branches and painting the nests of the gypsy moth with creosote.

About 2,000 estates were cleaned and a charge of 25 cents per hour per man and 25 cents per gallon for creosote used. The charges thus made were placed on the tax bills, the total amount charged being $1,786.46.

After the completion of private property 3,090 street trees were cleaned.

On December 28th, 1908, the men again renewed the extermination on private estates and cleaned about 2,500, this showing an increased infestation. The same rule will follow as to charges being placed on the tax bill this year as last.

At the writing of this report 3,503 street trees have just been cleaned, the work having been completed the past week.

Last June millions of brown-tail moths were blown into the city from neighboring cities and these caused a very bad infestation, and accounts for the extra work this past winter.

Although the City pays about $9,000 towards the State expenditures for protection against the moths, yet no visible protection is given and I feel the City could be well protected if the money given the State were given to the City individually.

It seems as if it were an imposition to the citizens to be burdened with a large sum each year to care for moths which come in from surrounding places and some rules should be made to insist on thorough work in each city, especially on boundary lines.

ELM LEAF BEETLE EXTERMINATION.

Through the efforts of the Citizens' Trade Association an appropriation of $5,000 was made by the City Government June 25th last year for extermination of this pest. A large Church spraying machine was purchased at a cost of $865, and this, together with a small Olds machine which the department had on hand, did very good work for the short space of time given in which to work.

The Association also was instrumental in getting co-operation from many hundred property owners in as much that each one would pay $1.00 per large tree and 50 cents per small tree for all sprayed on the street in front of the property as well as those on the premises. This plan proved a most successful one, in many ways arousing interest in the work from the citizens and helping the department financially. One machine was kept entirely on orders and the larger machine went through the main street and as many side streets as possible and sprayed all elm trees.

From this work a revenue of about $500 was received, together with $549 collected by the Association from property owners, who, although not wishing any spraying done, responded to help the work of saving the trees.

About the middle of July spraying with arsenate of lead was discontinued and the bases of the trees, where the beetle in a slug form collects to pupate, were sprayed with hot water and a covering of lime laid to catch any that might have been missed.

The following is an inventory of the stock on hand at the Tool House:—

1000 ft. manila rope.
1800 ft. rope (poor condition).
268 ft. spraying hose (poor condition).
7 garden lines.
650 new stakes.
11 tree poles.
200 fence poles.
35 gals. creosote.
50 shears for poles (poor condition).
44 ordinance signs.
40 poles for brushes.

400 ft. wire netting.
24 long-handled shovels (poor condition).
13 bamboo poles (new).
36 picks (poor condition).
22 iron rakes.
12 manure forks.
20 lawn mowers (fair condition).
20 sprinklers.
10 lanterns.
12 scuffle hoes.
15 wheelbarrows (poor condition).
18 wooden snow shovels.
24 new wooden rakes.
7 sickles.
19 garden hoes.
12 new lawn mowers.
12 grub axes (poor).
15 broken shear poles.
11 snow shovels.
16 extension ladders.
9 spaying rods.
14 wooden rakes (poor condition).
10 weed diggers.
8 spading forks.
4 half ladders.
6 gravel screens.
2 iron wedges.
5 medium rammers.
4 edging knives (poor condition).
5 wheelbarrows (good condition).
4 light rammers.
4 iron rakes (poor condition).
6 cross-cut saws.
4 grub axes (good).
4 paving rammers.
2½ bundles burlap.
5 crow bars.
3 hand saws.
2 scythes.
15 gals. lubricating oil.
6 axes (poor).
4 set falls.
2 spading forks (poor).
2 sod cutters.
2 spraying hand pumps.
2 pole saws.
1 claw hammer.
2 draft horses.
2 sledge hammers.

2 iron malls.
1 bbl. lantern shades.
1 water pump.
1 wooden mall.
1 iron hand roller.
1 ash sifting machine.
1 set falls (poor condition).
1 carriage.
1 carriage horse.
2 set skids (poor condition).
1 watering cart.
2 teams.
1 tip cart.
2 Olds gasolene power engines.
1 digging spade.
2 horse rollers.
1 horse mower.
1 100-gal. oil tank.
1 head light.
½ bbl. twine.
¼ gross scythe stones.
1 nozzle for large hose.
1 hydrant goose neck.
5½ rolls fence wire.
14 rolls hose.
24 ft. window wire.
6 new signs.
3 heavy teaming signs.
4 bags old burlap.
2 sections—rubber hose.

THE YEAR'S EXPENDITURES.

The expenses of the department for the four months (December 1st, 1907, to April 1st, 1908) between the financial years of 1907 and 1908 are shown in the following summary of the departmental accounts:—

PARK LOANS.

(Lands and Construction.)

Amount of unused balance of 1907 appropriation reappropriated December 4, 1907			$5,829 16
EXPENDED.			
River Parkway, Section C—			
Cinders	$2,008 40		
Pay-roll	702 50		
Filling	572 19		
Building scow	32 83		
		$3,315 92	
Amounts carried forward		$3,315 92	$5,829 16

PARK LOANS—Continued.

Amounts brought forward		$3,315 92	$5,829 16
River Parkway, Section D—			
Cinders	$365 70		
Ashes	60 00		
		425 70	
River Parkway, Section F—			
Ashes	$105 13		
Filling	35 00		
		140 13	
Nursery—			
Pay-roll	$240 00		
Coal	5 80		
		245 80	
General Account—			
Pay-roll	$246 50		
Rent of stable	90 00		
Half-tones for annual report . .	70 00		
Hay and grain	54 46		
Connection of water pipes, Shelter, Rindge Field	20 00		
Stationery	7 23		
Coal	5 80		
Harness repairs and supplies . .	3 85		
Slips and receipts for annual report	3 50		
Postal cards and stamps . . .	3 00		
Envelopes for daily reports . .	2 00		
Lighting stable	1 00		
Miscellaneous supplies . . .	94		
		508 28	
Total			4,635 83
Balance unexpended . . .			$1,193 33

PARK LOANS.

(Lands and Construction.)

East Cambridge Embankment—	
Amount of unused balance of 1907 appropriation reappropriated December 4, 1907	$289 95
Balance unexpended	$289 95

PARK LOANS.

(Lands and Construction.)

Rindge Field—

Amount of unused balance of 1907 appropriation reappropriated December 4, 1907		$100 70
EXPENDED.		
Pay-roll	$28 75	
Teaming	5 00	
Total		33 75
Balance unexpended		$66 95

PARK MAINTENANCE.

Brown Tail Moth Extermination—

Amount appropriated December 20, 1907		$5,000 00
EXPENDED.		
Pay-roll	$4,191 39	
Hay and grain	58 70	
Creosote	45 18	
Hardware, tools, etc.	20 68	
Cards (printed and ruled)	19 00	
Notices to property owners	15 00	
Postal cards and printing	14 50	
Stamped envelopes	13 25	
Expressage	2 15	
Total		4,379 85
Balance unexpended		$620 15

Cambridge Field and Shelter—

Amount appropriated December 20, 1907		$1,999 96

THE FIELD.

EXPENDED.		
Pay-rolls	$286 00	
Lighting	210 00	
		$496 00

THE SHELTER.

EXPENDED.		
Pay-rolls	$765 00	
Lighting	40 00	
Laundering towels	34 68	
Platform scales	18 00	
Supplies for building	9 80	
Soap for shower baths	8 00	
		875 48
Total		1,371 48
Balance unexpended		$628 48

PARK MAINTENANCE—Continued.

Commons, Squares and Public Grounds—

Amount appropriated December 20, 1907		$1,766 54
EXPENDED.		
Pay-roll	$375 21	
Lighting	110 00	
Lumber (repairing walks)	56 78	
Paint	37 33	
Hardware, tools, etc.	16 32	
Loam for skating rink	12 00	
Settees (repairs)	9 15	
Repairing fence "Washington Elm"	8 24	
Gravel (skating rink)	8 00	
Repairing flag	1 40	
Total		634 43
Balance unexpended		$1,132 11

Shade Trees—

Amount appropriated December 20, 1907		$1,666 64
EXPENDED.		
Pay-roll	$830 06	
Wire netting	45 00	
Teaming	15 00	
Sharpening saws	7 90	
Hardware, tools, etc.	5 05	
Cards for index	5 00	
Repairing fence damaged by tree	2 55	
Total		910 56
Balance unexpended		$756 08

Sections A, B, D and F—

Amount appropriated December 20, 1907			$1,599 88
EXPENDED.			
Section A—			
Lighting		$69 08	
Section B—			
Lighting	$256 52		
Pay-roll	16 00		
Hardware, tools, etc.	75		
		273 27	
Section D—			
Lighting	$164 03		
Gravel for skating rink	37 25		
		201 28	
Section F—			
Lighting		88 80	
Total			632 43
Balance unexpended			$967 45

PARK MAINTENANCE—Continued.

Bath House—

Amount appropriated December 20, 1907		$766 52
EXPENDED.		
Miscellaneous supplies	$2 63	
Total		2 63
Balance unexpended		$763 89

Salaries—

Amount appropriated December 20, 1907		$714 67
Amount appropriated February 6, 1908		50 00
		$764 67
EXPENDED.		
Salary of General Superintendent	$500 00	
Salary of Clerk of Bookkeeper	255 00	
Total		755.00
Balance unexpended		$9 67

Sections G and H—

Amount appropriated December 20, 1907		$666 59
EXPENDED.		
Lighting	$256 56	
Pay-roll	12 00	
Total		268 56
Balance unexpended		$398 03

General Account—

Amount appropriated December 20, 1907		$466 53
EXPENDED.		
Rent of stable	$90 00	
Telephone service	29 70	
Hay and grain	27 80	
Pay-roll books	26 50	
Stamped envelopes and printing	22 25	
Horse shoeing	19 56	
Lantern slides	17 15	
Stamps	15 50	
"Journal" and "Ledger"	12 87	
Stationery	12 30	
Coal	11 60	
Advertising	8 50	
Time cards	7 50	
Office lamp	5 50	
Cambridge Directory, 1908	4 00	
Lighting stable	3 20	
Amounts carried forward	$313 93	$466 53

PARK MAINTENANCE—Continued.

Amounts brought forward	$313 93		$466 53
Subscription Municipal Journal .	3 00		
Supplies	1 64		
Typewriter repairs	1 30		
Total			319 87
Balance unexpended . . .			**$146 66**
Rindge Field—			
Amount appropriated December 20, 1907 . . .			$333 22
EXPENDED.			
Lighting (Cambridge Elec. Lt. Co.) .	$73 00		
Lighting (Welsbach St. Lighting Co.)	19 72		
Repairs	85		
Total			93 57
Balance unexpended . . .			$239 65

THE YEAR'S EXPENDITURES.

The expenses of the department for the financial year of 1908 are shown in the following summary of the departmental accounts:—

PARK LOANS.

(Lands and Construction.)

Amount of unused balance of four months appropriation reappropriated April 16, 1908			$1,193 33
Amount appropriated May 13, 1908			30,000 00
Amount appropriated September 17, 1908			12,000 00
			$43,193 33
EXPENDED.			
River Parkway, Section A—			
Loam		$219 51	
River Parkway, Section B—			
Pay-roll	$7,017 72		
Teaming	3,071 37		
Gravel	290 25		
New iron fence	270 00		
Services of landscape gardeners .	41 55		
Hire of steam roller . . .	35 00		
Trees and shrubbery . . .	32 50		
Loam	24 93		
Hardware, tools, etc. . . .	18 79		
Cinders	13 55		
Advertising	10 00		
Raft repairs	7 56		
Towing raft	5 00		
Repairs	74		
		10,838 96	
Amounts carried forward		$11,058 47	$43,193 33

PARK LOANS—Continued.

Amounts brought forward		$11,058 47	$43,193 33
River Parkway, Section C—			
Cinders	$2,808 70		
Pay-roll	1,875 33		
Filling	620 40		
Gravel	459 88		
Teaming	295 50		
Services of landscape gardeners	150 00		
Ashes	147 84		
Hire of steam roller	130 00		
Loam	114 25		
Entertaining Park Committee	60 30		
Hardware, tools, etc.	46 55		
Stakes	34 37		
Trees	22 50		
Repairing tool house	18 93		
Watering parkway	10 00		
Coal for steam roller	9 08		
Building scow	2 25		
Expressage	1 20		
		6,807 08	
River Parkway, Section D—			
Cinders	$2,241 42		
Ashes	694 74		
Pay-roll	620 19		
Filling	347 50		
Tarvia	159 50		
Gravel	90 00		
Stakes	34 25		
Loam	28 92		
Cracked stone	12 00		
Hardware, tools, etc.	5 45		
Teaming	3 00		
		4,236 97	
River Parkway, Section E—			
Pay-roll	$230 67		
Stone (cracked)	51 00		
Raising buildings	30 80		
Hardware, tools, etc.	11 51		
		323 98	
River Parkway, Section F—			
Pay-roll	$3,517 07		
Gravel	1,194 74		
Loam	658 72		
Teaming	540 00		
Filling	127 25		
Watering parkway	68 75		
Hire of steam roller	60 00		
Cinders	55 31		
Settees	48 00		
Edgestone and circle	45 97		
Stakes for engineers	33 19		
Amounts carried forward	$6,349 00	$22,426 50	$43,193 33

PARK LOANS—Continued.

Amounts brought forward	$6,349 00	$22,426 50	$43,193 33
Advertising	20 25		
Hardware, tools, etc.	9 95		
Ashes	6 75		
		6,398 50	
Nursery—			
Pay-roll	$144 00		
Coal	5 74		
		149 74	
General Account—			
Workshop, Raymond Street	$1,599 00		
Pay-roll	234 00		
Wire netting	27 00		
Teaming	27 00		
Supplies	26 95		
		1,913 95	
Rindge Field—			
Pay-roll	$1,060 87		
Services of landscape gardeners	150 00		
Cement for drain	34 45		
Hardware, tools, etc.	17 63		
		1,262 95	
Rebuilding Sea Walls—			
Contract	$7,509 00		
Work outside contract	943 00		
Teaming	442 50		
Inspectors	404 00		
Lumber	75 65		
Advertising	29 37		
Tools	27 17		
Labor, sewer men	13 50		
	9,471 94		
Section B—			
Pay-roll	796 84		
Section D—			
Pay-roll	136 00		
Section E—			
Pay-roll	$335 11		
Cracked stone	42 00		
Inspectors	12 00		
	389 11		
Section F—			
Pay-roll	94 00		
		10,887 89	
Total			43,039 53
Balance unexpended			$153 80

Park Loans.

(*Lands and Construction*)

East Cambridge Embankment—

Amount of unused balance of four months appropriation reappropriated April 16th, 1908		$289 95
EXPENDED.		
Services of landscape gardeners	$289 00	
Total		289 00
Balance unexpended		$ 95

Park Loans.

(*Lands and Construction.*)

Rindge Field—

Amount of unused balance of four months appropriation reappropriated April 16th, 1908		$66 95
EXPENDED.		
Pay-roll	$60 00	
Lumber	6 55	
Total		66 55
Balance unexpended		$ 40

Park Maintenance.

Brown Tail Moth and Elm Beetle Extermination.

Amount appropriated June 1st, 1908		$3,000 00
Amount appropriated June 25th, 1908		5,000 00
		$8,000 00
EXPENDED.		
Pay-roll	$5,280 61	
Spraying machine	871 10	
Disparene	481 75	
Hose for spraying machine	286 83	
Teaming	251 00	
Horse	225 00	
Salary of clerk	100 00	
Repairs, machine	93 04	
Hire of engineer	55 13	
Wagon	50 00	
Boarding horse	50 00	
Ladders	43 05	
Postal cards and printing	36 25	
Amounts carried forward	$7,823 76	$8,000 00

PARK MAINTENANCE—Continued.

Amounts brought forward		$7,823 76	$8,000 00
Hardware, tools, etc.,		30 95	
Notices to "Property Owners"		27 50	
Index cards and bills		24 00	
Lime		23 10	
Signs for machine		19 90	
Creosote		18 18	
Kerosene oil		15 54	
Hot water heater		13 59	
Sundries		2 65	
Total			7,999 17
Balance unexpended			$ 83

Cambridge Field and Shelter.

Amount appropriated June 1st, 1908	$6,000 00
Amount transferred March 23rd, 1909, to salaries	5 00
	$5,995 00

EXPENDED.

The Field.

Pay-roll	$1,806 00	
Lighting	630 00	
Hardware, tools, etc.	60 76	
Stakes,	42 77	
Repairs	17 32	
Bases for ball field	3 50	
		$2,560 35

The Shelter.

Pay-roll	$2,340 00	
Coal	516 80	
Laundering towels	193 41	
Plumbing	101 41	
Lighting	90 96	
Soap for shower baths	79 68	
Supplies	42 05	
Towels	40 00	
Toilet paper and expressage	19 50	
Miscellaneous repairs	10 65	
		3,434 46
Total		5,994 81
Balance unexpended		$ 19

PARK MAINTENANCE—Continued.

Sections A, B, D and F.

Amount appropriated June 1st, 1908		$4,800 00
Amount transferred March 23rd, 1909, from Maintenance, Rindge Field		182 00
		$4,982 00

EXPENDED.

Section A—			
Lighting		$207 24	
Section B—			
Pay-roll	$1,211 75		
Lighting	769 56		
Watering parkway	203 75		
"Herbicide"	10 35		
Shrubs for beds	10 25		
Float repairs	2 79		
		2,208 45	
Section D—			
Pay-roll	$653 00		
Lighting	577 90		
Watering parkway	175 00		
		1,405 90	
Section F—			
Pay-roll	$652 25		
Lighting	375 57		
Watering parkway	132 50		
		1,160 32	
Total			4,981 91
Balance unexpended			$ 09

Shade Trees.

Amount appropriated June 1st, 1909		$4,500 00

EXPENDED.

Pay-roll	$3,659 25	
Teaming	200 00	
Trees	141 30	
Wire netting	135 00	
Tree poles	119 50	
Manila rope	86 46	
Loam	54 60	
Hardware, tools, etc.,	46 89	
Sharpening saws	23 25	
Supplies	11 89	
Bicycle repairs	10 25	
Stationery (cards)	6 75	
Harness repairs	4 80	
Total		4,499 94
Balance unexpended		$ 06

PARK MAINTENANCE—Continued.

Commons, Squares and Public Grounds.

Amount appropriated June 1st, 1908		$4,100 00
EXPENDED.		
Pay-roll	$3,370 07	
Lighting	330 00	
Repairing masts, fixing halyards, etc.	129 00	
Teaming	90 50	
Hardware, tools and supplies	59 68	
EXPENDED.		
Repairing fence, Dana Square	27 00	
Garden hose	50 00	
Stakes	11 40	
Cleansing stones (marking historic spots)	11 00	
Lumber	9 63	
Printing "Rules and Regulations"	4 50	
Bases for ball field, Cambridge Common	3 50	
Hydrant covers and catch basin fixings	3 00	
Expressage	55	
Total		4,099 83
Balance unexpended		$ 17

Salaries.

Amount appropriated June 1st, 1908		$2,300 00
Amount transferred March 23rd, 1909, from Maintenance Cambridge Field		5 00
		$2,305 00
Salary of General Superintendent	$1,500 00	
Salary of Clerk and Bookkeeper	805 00	
Total		2,305 00

Bath House.

Amount appropriated June 1st, 1908		$2,300 00
Amount transferred March 23rd, 1909, to Maintenance, General Account		104 00
		$2,196 00
EXPENDED.		
Pay-roll	$1,321 10	
Laundering towels, suits, etc.	399 41	
Lighting	154 32	
Sand for beach	144 00	
Miscellaneous supplies and repairs	44 18	
Printing bathing tickets	30 00	
Amounts carried forward	$2,093 01	$2,196 00

PARK MAINTENANCE—Continued.

Amounts brought forward . . .	$2,093 01	$2,196 00
Towels	20 00	
Bathing suits	21 12	
Rope for life line	18 59	
Bathing schedules	13 00	
Stationery	12 70	
Locks and repairing	10 75	
Telephone service	5 80	
Water off and on	1 00	
Total		2,195 97
Balance unexpended . . .		$ 03

Sections G and H—

Amount appropriated June 1st, 1908		$2,000 00
EXPENDED.		
Pay-roll	$1,071 00	
Lighting	769 68	
Watering parkway	106 88	
Stakes for engineers . . .	18 50	
Signs	12 76	
Paint for fence	12 50	
Wire for fences	4 98	
Hardware, tools, etc. . . .	3 38	
Total		1,999 68
Balance unexpended . . .		$ 32

General Account.

Amount appropriated June 1st, 1908		$1,400 00
Amount transferred July 2nd, 1908, to Street Department (For board of two horses.)		396 00
		$1,004 00
Amount transferred March 23rd, 1909, from—		
Maintenance, Bath House . .	$104 00	
Maintenance, Rindge Field . .	74 00	
		178 00
		$1,182 00
EXPENDED.		
Board of Supt.'s horse . . .	$211 62	
Telephone service	149 53	
Entertaining Committee on Parks .	110 80	
Rent of stable	90 00	
Printing and binding report of 1907 .	86 86	
Repairs to Supt.'s carriage . .	83 27	
Amounts carried forward . . .	$732 08	$1,182 00

PARK MAINTENANCE—Continued.

Amounts brought forward . . .	$732 08	$1,182 00
Horse shoeing	64 61	
Stationery	54 95	
Hardware, tools, etc. . . .	52 52	
Hay and grain	35 66	
Stakes	32 63	
Harness repairs and supplies . .	25 54	
Signs	25 20	
Car tickets	25 00	
Miscellaneous supplies . . .	23 67	
Boxes for storing records . .	19 00	
Repairing wagon	16 81	
Pay-rolls	16 00	
Painting signs	13 50	
Stamps	9 35	
Repairing typewriter . . .	8 00	
Kerosene oil	6 70	
Coal	5 74	
Cambridge Directory, 1909 . .	4 00	
Bicycle repairs	6 50	
Photo supplies	1 81	
Lighting stable	2 00	
Total		1,181 27
Balance unexpended . . .		$ 73

Rindge Field.

Amount appropriated June 1st, 1908		$1,000 00
Amount transferred March 23rd, 1909, to Sections A, B, D and F	$182 00	
To Maintenance, General Account	74 00	
		256 00
		$744 00

EXPENDED.

Pay-roll	$451 33	
Lighting (Cambridge Electric Light Company)	192 00	
Lighting (Welsbach Street Lighting Company)	59 16	
Furniture	17 00	
Water coolers	9 50	
Ice for coolers	8 20	
Bases for field	3 50	
Supplies	2 85	
Total		$743 54
Balance unexpended . . .		$ 46

PARK MAINTENANCE—Continued.

Sand Gardens.

Amount appropriated June 1st, 1908		$200 00
EXPENDED.		
Pay-roll	$69 00	
Sand for boxes	55 50	
Teaming	42 00	
Lumber	32 54	
Total		199 04
Balance unexpended . . .		$ 06

Respectfully submitted,

JOHN F. DONNELLY,

Gen. Supt. of Parks.

REPORT OF THE TRUSTEES OF THE DOWSE INSTITUTE.

CAMBRIDGE, MASS., APRIL 15, 1909.

To the Honorable, the City Council:—

The Board of Trustees of the Dowse Institute respectfully report that a course of six lectures and two entertainments was given in Durrell Hall, beginning January 7, and ending February 25, 1908.

An attached copy of the accounts of Treasurer is herewith submitted, showing the amount of the receipts and expenditures.

FRANK A. ALLEN,
W. A. BULLARD,
GEO. HOWLAND COX,

Board of Trustees.

W. A. Bullard in account with Dowse Institute:

DR.		CR.	
1908.		1908.	
To Balance	$139 49	By Cambridge Chronicle, advertising	$10 00
City of Cambridge	600 00	Cambridge Tribune, advertising	10 00
		L. F. Weston, printing	9 25
		C. L. Russell, doorkeeper	8 00
		Y. M. C. A., rent of hall	200 00
		I. C. Bowker, lecture	50 00
		G. H. Taylor, lecture	37 00
		E. A. Thomas, lecture	25 00
		George Hodges, lecture	35 00
		A. B. Tripp, lecture	25 00
		H. L. Southwick, reading	35 00
		Minna E. Tenney, lecture	50 00
		Beatrice Hereford, entertainment	100 00
		Balance	145 24
	$739 49		$739 49

Attest:
GEO. HOWLAND COX.

W. A. BULLARD,
Treasurer.

REPORT OF THE CHIEF ENGINEER OF THE FIRE DEPARTMENT.

CHIEF ENGINEER'S OFFICE,
CAMBRIDGE, MASS., April, 1909.

To the Honorable, the City Council:—

GENTLEMEN:—I herewith submit a report for the four months beginning on the first day of December, 1907, and ending on the thirty-first day of March, 1908.

Under the same cover will be found a report for the fiscal year beginning April 1, 1908, and ending March 31, 1909.

The first part of this report gives the appropriations and expenditures of money, the number of fires, and valuation of property involved, together with the amount of insurance and losses.

SALARIES.

Appropriation	$34,263 05
Expended	33,925 64
Surplus of appropriation relinquished to treasury	$337 41

GENERAL EXPENSES.

Appropriation	$7,863 36
Expended	7,454 28
Surplus of appropriation relinquished to general treasury	$409 08

FIRES AND ALARMS.

The number of alarms during the four months was 126; bell alarms, 82; still alarms, 44.

Table of valuation, losses, etc.:—

TABLE OF VALUATION, LOSSES, ETC.

	Values	Losses	Insurance	Insurance Paid
Buildings	$371,070 00	$51,697 50	$165,125 00	$30,813 50
Contents	213,580 00	91,978 75	167,628 00	85,323 50
Totals	$584,650 00	$143,676 25	$332,753 00	$116,137 00

The large amount of loss was at the burning of the B. & M. R. R. roundhouse which was $100,600.00. The building was so far from any hydrant that only one engine could do any effective work, and all depended on the fire boat from Boston. The next heavy loss was by fire in the Wellington school building, amounting to $20,000.00, and was not insured.

Report for the fiscal year ending March 31, 1909:—

ORGANIZATION.

The number of companies are as follows:—Seven (7) engine companies, two (2) chemical engine companies, four (4) ladder companies, one of which has in connection with it one (1) combination hose and chemical wagon.

MANUAL FORCE.

The permanent force consists of

1 Chief Engineer.
1 Assistant Chief Engineer.
4 Captains.
6 Lieutenants.
7 Enginemen.
63 Privates.
Total, 82.

CALL FORCE.

7 Captains.
7 Lieutenants.
42 Privates.
Total, 56.

SALARIES PAID THE DEPARTMENT.

Chief Engineer, per year	$2,000 00
Assistant Chief Engineer, per year	1,500 00
Permanent Captains, per year	1,300 00
Permanent Lieutenants, per year	1,250 00
Permanent Enginemen, per year	1,200 00
Permanent Privates, per year, first year	820 00
Permanent Privates, per year, second year	920 00
Permanent Privates, per year, third year	1,095 00
Call Captains, per year	270 00
Call Lieutenants, per year	252 00
Call Privates, per year	240 00

APPARATUS.

The department has seven (7) steam engines and hose wagons to run with them, one (1) spare steam engine, seven (7) fuel wagons, two (2) chemical engines, one (1) combination chemical and hose wagon, four (4) ladder trucks and one (1) spare ladder truck. Ladder truck No. 2 is equipped with two 30-gallon chemical tanks and hose wagon No. 7 has two 25-gallon chemical tanks. There are twenty-nine (29) hand extinguishers distributed on the several pieces of apparatus. One (1) supply wagon, and three (3) chief's wagons, one of which is kept in reserve.

Engine No. 2 has been rebuilt and thoroughly repaired with a new boiler. Chemical Engine No. 2 was repaired and rubber tires applied.

A combination wagon was presented to the City and put in service in engine house No. 7, and old hose wagon No. 7 was repaired with improvements and rubber tires and put in service in engine house No. 5 to take the place of the old hose reel. Hose wagons Nos. 1 and 3 have been rebuilt with modern improvements, new wheels and rubber tires.

HOSE.

There are 15,150 feet of two and one-half inch cotton rubber-lined hose in good condition; 250 of two-inch cotton rubber-lined hose, and 1,350 feet of three-fourths-inch rubber hose on chemical engines; 1,150 feet of two and one-half hose was purchased to take the place of the same amount condemned.

HORSES.

There are forty-nine horses in the service. Five young horses have been bought, and two more given in exchange, being unfit for fire service.

HOUSES.

The houses have been repaired when found necessary, such as new floors, etc., most of the labor done by members of the department.

FIRES AND ALARMS.

The whole number of alarms was 474; bells, 323; still, 151.

The following table shows the values, losses, etc.

	Values	Losses	Insurance	Insurance Paid
Buildings	$1,010,025 00	$43,942 11	$800,725 00	$39,841 11
Contents	326,006 30	64,948 62	232,154 30	58,235 62
Totals	$1,336,031 30	$108,890 73	$1,032,879 30	$98,076 73

APPROPRIATIONS AND EXPENDITURES.

The appropriation for the fiscal year ending March 31, 1909, was $129,500.00.

Salaries	$108,500 00	
Less by transfer to general expenses	1,000 00	
		$107,500 00
Amount expended		107,219 44
Balance unexpended		$280 56
General expenses	$21,000 00	
Additional by transfer from salaries	1,000 00	
Additional appropriation	600 00	
		$22,600 00

ITEMS OF EXPENDITURE.

Apparatus, repairs on	$4,673 42	
Buildings, repairs on	1,147 79	
Bedding	166 52	
Brooms, brushes, etc.	545 28	
Badges, insignias, etc.	142 11	
Chemical supplies	75 23	
Furniture	298 40	
Fuel	3,154 84	
Gas and electric light	848 91	
Horses bought and hired	1,237 38	
Hardware, etc.	356 73	
Hose and repairs on	1,069 58	
Horse shoeing	1,393 41	
Harness and repairs on	340 71	
Hay, grain and straw	6,302 91	
Laundry for department	226 31	
Oil, soap, etc.	213 40	
Printing and stationery	60 17	
Miscellaneous	238 86	
		22,491 96
Surplus of appropriation relinquished to general treasury		$108 04

VALUE OF THE REAL AND PERSONAL PROPERTY IN CHARGE OF THIS DEPARTMENT

REAL ESTATE.

Double house, Lafayette Square	$26,000	
Single house, No. 35 Third Street	17,500	
Single house, No. 2029 Massachusetts Avenue	23,000	
Single house, Inman Square	10,000	
Single house, No. 176 River Street	12,000	
Single house, No. 350 Main Street	12,000	
Single house, No. 167 Lexington Avenue	16,000	
Single house, No. 276 Portland Street	12,000	
Double house, Sherman and Garden Streets	30,000	$158,500 00

PERSONAL PROPERTY.

	Value November 30, 1907	Value March 31, 1909
Apparatus, hose, etc.	$66,100 00	$67,900 00
Bedding and furniture	4,705 00	4,705 00
Hardware and tools	775 00	894 00
Horses and harnesses	12,180 00	13,235 00
Miscellaneous	1,100 00	1,100 00
	$84,860 00	$87,834 00

MEMBERS DISCHARGED.

Edward P. Donahue, retired by reason of disability, and placed on pension role December 1, 1907.

Louis J. Stranger, retired by reason of disability, and placed on pension role December 1, 1907.

George W. McIntire, retired by reason of disability, and placed on pension role March 1, 1908.

William J. Sullivan, discharged at his own request, June 15, 1908.

Ernest T. Vocell, discharged at his own request, October 15, 1908.

Capt. Angus H. McDonald, discharged at his own request December 6, 1908.

Daniel F. McConologue, discharged at his own request, December 18, 1908.

Timothy Mahoney, retired by reason of disability, and placed on pension roll, February 1, 1909.

Edward E. Gaughan, discharged at his own request March 31, 1909.

APPOINTMENTS.

John F. McPherson, appointed permanent man June 1, 1908.
Frank J. Murray, appointed permanent man June 1, 1908.
Joseph S. Hayes, appointed permanent man June 1, 1908.
Arthur L. Marshall, appointed permanent man June 1, 1908.
Thomas J. Parks, appointed permanent man June 1, 1908.
Ernest T. Vocell, appointed call man July 1, 1908.
Walter L. Allen, appointed call man October 15, 1908.
William F. McGrath, appointed call man October 15, 1908.
James E. Jefferson, appointed call man November 1, 1908.

PROMOTIONS.

Lieutenant Lewis C. Clark, promoted to Captain December 6, 1908.

Private John H. Dardis, promoted to Lieutenant December 6, 1908.

ACCIDENTS.

January 15, 1908, Donald Talbot, aged 3 years, was fatally burned by playing with fire in his home, No. 495 Green Street.

March 12, 1908, Mrs. E. H. Dyer was severely burned by using naphtha to clean gloves at her home, No. 11 Huron Avenue.

May 26, 1908, Edward E. Gaughan, a member of Ladder Co. No. 2, responding to an alarm from Box 32, was thrown from hose wagon No. 3, to the ground, cutting his head and spraining muscles of his neck.

May 30, 1908, Thomas King, a member of Ladder Co. No. 4, while working at fire in building owned by Davis Machine Co., was caused to fall by breaking of the ladder, fracturing three ribs.

June 9, 1908, Cornelius J. Crowley, a member of Ladder Co. No. 1, when responding to an alarm from Box 52, was thrown from the truck, cutting his face.

September 15, 1908, a child, Margaret Lyden, playing with matches, was fatally burned at her home, No. 2 Hampshire Place.

September 1, 1908, Thomas Mimnaugh, a member of Ladder Co. No. 2, when getting onto the truck was thrown to the ground, spraining knee and ankle of right leg.

September 25, 1908, Frederick Flagg was seriously burned by explosion of celluloid at comb factory fire on Elmwood Street.

October 6, 1908, Timothy J. Murphy, a member of Ladder Co. No. 2, while working at fire in yard of B. & M. R. R., received a crushed finger between two timbers.

October 15, 1908, responding to a still alarm, combination wagon No. 1, driven by Capt. McDonald, in trying to avoid collision with a wagon, ran into a fence at the corner of Stearns and Sherman Streets, breaking wagon pole and cutting leg of horse.

January 6, 1909, Carmelia Montuori, turning oil from can into stove, was fatally burned at her home, No. 744 Cambridge Street.

January 29, 1909, Mrs. Vennie Meharry, cleaning gloves with naphtha near a lighted candle, was fatally burned at her home, No. 77 Prospect Street.

Mrs. Lousia Matheson, sister to Mrs. Meharry, was seriously burned at the same time.

Mr. William H. Meharry was seriously burned on the hands and arms trying to save his wife.

February 9, 1909, William McGrath, a member of Ladder Co. No. 2, working at fire, No. 98 Bridge Street, cut a tendon in finger of left hand with glass.

March 13, 1909, Alexander Cameron was burned on face and hands by exploding naphtha, causing fire at Henderson's Dyeing and Cleaning Shop, No. 120 Auburn Street.

DEATHS.

James E. Bligh, call man in Engine Co. No. 7, died July 9, 1908.
Benjamin D. Foss, department pensioner, died March 7, 1909.

RECOMMENDATIONS.

I desire to again call attention to providing new quarters for Engine No. 1 and Ladder No. 1, and more particularly to that of Engine No. 5 at Inman Square. The house should be torn down and a new building erected, or the present building added to, to give room

to accommodate the men, horses and apparatus there located. It should be fitted for Headquarters of the Department, and for electrical plant for the fire alarm.

I recommend the purchase of a chemical engine, one after the pattern of our Chemical Engine No. 2, to be located in the house with Ladder No. 2, Portland Street. Also the purchase of a combination hose and chemical wagon.

I repeat my recommendation of last year, that house owners be required to clean the soot from chimneys at stated times, for in so doing, the department would not be called so often needlessly, endangering the life of men and horses, and breaking apparatus responding to alarms for chimney fires. During the past year out of 474 alarms, 66 of them were for chimney fires, and two members of the department were injured in responding to alarms of that class of fires.

Arrangements are being made, whereby in event of a large fire, help can be furnished within a short space of time from Somerville and Boston.

No city can afford the cost to maintain sufficient apparatus to battle with a conflagration, but the plan of mutual aid now contemplated will be of but little cost to the city. The movement was brought about by suggestions made by myself to Chief Cheswell of Boston four years ago, relative to rendering help to each other. I would suggest that our City Electrician embody in his estimate for appropriation for the coming year an approximate cost to the City to carry out the mutual aid plan.

In closing this report I desire to thank His Honor, the Mayor, the Committee on Fire Department, members of the City Council for favors shown me, the Police Department for their promptness in rendering aid when needed. Chief Mullen, of Boston, and Chief Hopkins, of Somerville, have, at all times, been ready to extend a helping hand, for which I am grateful. The record made by the officers and members of this department is one of which they may well be proud, and I hereby express my gratitude to them for the support given me in bringing the department to a higher standard.

Respectfully submitted,

NATHANIEL W. BUNKER,

Chief Engineer.

APPENDIX.

ROSTER OF THE CAMBRIDGE FIRE DEPARTMENT, MARCH 31, 1909.

ENGINEERS.

Name.	Rank.	Age.	Residence.
Nathaniel W. Bunker.	Chief Engineer...	64	10 Ashton place.
James M. Casey.....	Ass't Chief Eng'r.	44	353 Huron avenue.

CHIEF'S DRIVER.

No. of Badge.	Name.	Rank.	Age.	Residence.
7	Cornelius J. Cowley..	Private.....	29	21 South street.

ENGINE CO. NO. 1.

108 *Mt. Auburn Street.*

First size Amoskeag engine, drawn by three horses; capacity, 900 gallons a minute; has been in service since 1883. New boiler 1901. One hose wagon drawn by two horses, with 800 feet of 2 1-2-inch hose and two 3-gallon pony chemicals; has been in service since 1889. Rubber tires on wheels since March, 1909.

No. of Badge.	Name	Rank.	Age.	Residence.
	Permanent Force.			
2	Charles A. Cairns.....	Engineman.....	42	152 River street.
3	Hiram W. Hooker....	Asst. Engineman	69	108 Mt. Auburn street.
4	Hiram W. Hooker, 2d	Private.....	31	45 Fayette street.
5	Daniel E. Shea.....	"	51	16 Athens street.
6	Thomas F. Drummond	"	40	192 Green street.
127	Mortimer F. Hartney.	"	36	3 Jay street.
	Call Force.			
8	Thomas H. Kneeland.	Captain.....	44	108 Mt. Auburn street.
13	Joseph J. Corcoran...	Lieutenant.....	48	31 Ash street.
10	James W. Irwin.....	Private.....	53	45 Oxford street.
84	Thomas H. Anderson.	"	27	19 Watson street.
	Vacancy.			
35	Horace P. Walker....	"	31	11 Madison street.

ENGINE CO. NO. 2.

384 *Massachusetts Avenue.*

First size Amoskeag engine, drawn by three horses; capacity, 900 gallons a minute; has been in service since 1891. New boiler 1908. Wheels rubber tired 1907. One-horse hose wagon with 800 feet of 2 1-2-inch and two 3-gallon extinguishers; has been in service since 1892. Wheels rubber tired June, 1904.

No. of Badge.	Name.	Rank.	Age.	Residence.
	Permanent Force.			
14	Daniel E. Powers.....	Engineman.....	49	19 Park street.
15	John H. McDermott..	Asst. Engineman	56	11 Dodge street.
16	John D. Shea.....	Private.....	38	15 Athens street.
17	James H. Furfey.....	"	51	59 Prince street.
74	William T. Anderson.	"	29	505 Banks street.
24	James E. S. Drinkwater	"	35	1 Cottage place.
	Call Force.			
19	Charles Emerson.....	Captain.....	63	5 Kinnaird street.
20	John J. Balfe.....	Lieutenant.....	37	1129 Cambridge street.
21	John Haley.....	Private.....	54	358 Massachusetts avenue.
22	Charles H. Cutting...	"	56	812 Main street.
23	Thomas J. Conroy...	"	33	466 Cambridge street.
71	James P. Welch.....	"	45	70 Columbia street.

ENGINE CO. NO. 3.

35 *Third Street.*

First size Amoskeag engine, drawn by three horses; capacity, 900 gallons a minute; has been in service since 1871. New boiler 1905. Wheels rubber tired 1905. One-horse hose wagon with 800 feet of 2 1-2-inch hose and two 3-gallon extinguishers; has been in service since August, 1886. Rebuilt and wheels rubber tired August, 1908.

No. of Badge.	Name.	Rank.	Age.	Residence.
	Permanent Force.			
26	Thomas F. O'Connell.	Engineman.....	47	24 York street.
27	Frank McGrath.....	Asst. Engineman	44	39 Hunting street.
28	Albert R. Wait.....	Private.....	36	114 Hampshire street.
29	Patrick J. Hayes.....	"	46	92 Gore street.
30	Wm. F. Newman, 2d..	"	38	11 Hunting street.
120	Daniel J. Holleran...	"	34	252 Elm street.
	Call Force.			
31	Walter Baker.....	Captain.....	55	37 Antrim street.
32	John F. Brassel.....	Lieutenant.....	54	3 Marney street.
33	Vacancy.			
34	Charles H. Leddy....	Private.....	48	24 York street.
36	Leo J. Shields.....	"	29	341 Cambridge street.
37	Joseph King.....	"	31	49 Third street.

ENGINE CO. NO. 4.

2029 Massachusetts Avenue.

Third size Amoskeag engine, drawn by two horses; capacity, 550 gallons a minute; has been in service since 1895. New boiler 1904. One-horse hose wagon with 900 feet 2 1-2-inch hose and two 3-gallon extinguishers; has been in service since 1901. Wheels rubber tired.

No. of Badge.	Name.	Rank.	Age.	Residence.
	Permanent Force.			
38	John E. Ricker.....	Engineman.....	64	2029 Massachusetts avenue.
39	Jeremiah O'Conner...	Asst. Engineman	50	2 Olive place.
119	Walter E. Chapman..	Private.....	40	34 Parker street.
41	George E. Muzzey....	"	67	5 Blake street.
42	John T. Henderson...	"	39	11 Yerxa road.
56	Thomas A. Haley.....	"	28	19 Rice street.
57	Frank J. Murray.....	"	29	19 Rice street.
	Call Force.			
43	Daniel A. McCaughin	Captain.....	51	Rear 5 Russell street.
45	George F. Durgin.....	Lieutenant.....	40	42 Locke street.
47	William F. Henderson.	Private.....	43	74 Rice street.
136	Ralph W. E. Hanna..	"	29	44 Rindge avenue.
49	Vacancy.			

ENGINE CO. NO. 5.

Inman Square.

Second size Amoskeag engine, drawn by two horses; capacity, 700 gallons a minute; has been in service since 1870. New boiler 1899. One-horse hose wagon with 800 feet of 2 1-2-inch hose and two 3-gallon extinguishers; has been in service since 1895. Wheels rubber tired 1908. Modern improvements added.

No. of Badge.	Name.	Rank.	Age.	Residence.
	Permanent Force.			
50	Charles E. Connor...	Engineman.....	57	1335 Cambridge street.
18	William Reilly.....	Asst. Engineman	37	300 Prospect street.
52	Timothy F. McCarthy	Private.....	35	8 Clary street.
53	George L. Church....	"	29	14 Summer street.
54	John J. O'Callahan...	"	39	36 Tremont street.
44	Redmond M. Burke..	"	39	22 Hadley street.
125	Arthur L. Marshall...	"	24	87 Hammond street.
	Call Force.			
55	Francis P. Scanlan..	Captain.....	62	1343 Cambridge street.
59	George W. Stevens....	Lieutenant.....	42	135 Antrim street.
58	James H. McGrath...	Private.....	52	4 Highland Park.
60	John F. Downey.....	"	29	994 Cambridge street.
61	William G. Johnson..	"	47	14 Springfield street.

ENGINE CO. NO. 6.

176 *River Street.*

Second size Amoskeag engine, drawn by two horses; capacity, 700 gallons a minute; has been in service since 1873. New boiler 1907. Wheels rubber tired. One-horse hose wagon with 800 feet of 2 1-2-inch hose and two 3-gallon extinguishers; has been in service since 1892. Modern improvements added and new wheels with rubber tires, 1907.

No. of Badge.	Name.	Rank.	Age.	Residence.
	Permanent Force.			
62	J. Lewis Howe..	Engineman.....	55	184 River street.
63	Thomas H. McCourt..	Asst. Engineman	38	109 Seventh street.
12	William L. McCusker.	Private.....	33	109 Antrim street.
65	Warren A. Dale.....	"	36	5 Flagg street.
66	Herman E. Gutheim...	"	31	460 Huron avenue.
78	Charles A. Olsen.....	"	39	10 Mount Auburn street.
	Call Force.			
67	John H. Brown.....	Captain.....	56	206 River street.
68	Charles H. Waite.....	Lieutenant.....	62	59 Brookline street.
69	John E. Savage.....	Private.....	53	1 Pond place.
70	Thomas F. Mullen....	"	35	184 River street.
72	Charles P. Cox, Jr....	"	36	44 Western avenue.
73	William J. Doyle.....	"	35	23 Oak circle.

ENGINE CO. NO. 7.

350 *Main Street.*

Second size Amoskeag engine, drawn by two horses; capacity, 700 gallons a minute; has been in service since 1895. New boiler 1902. Two-horse combination hose and chemical wagon with 800 feet of 2 1-2-inch hose, and two 3-gallon extinguishers, two tanks of 25 gallons each and 200 feet of 3-4-inch chemical hose. Wheels rubber tired. The wagon was presented to this department by Harvard College Corp. May, 1908.

No. of Badge.	Name.	Rank.	Age.	Residence.
	Permanent Force.			
51	Peter F. McSorley....	Engineman.....	49	94 Otis street.
75	John McCarthy.....	Asst. Engineman	54	282 Massachusetts avenue.
76	Henry J. O'Brien.....	Private.....	32	28 York street.
77	Dennis R. Sullivan...	"	37	35 Harvard street.
64	Robert J. Buchanan.	"	37	20 Grigg street.
90	David T. Burns.....	"	30	57 Columbia street.
83	Joseph S. Hayes.....	"	30	1 Marney street.
	Call Force.			
79	George A. Garrity.....	Captain.....	47	
80	Joseph A. Wood.....	Lieutenant.....	46	102 Moore street.
82	Edward Clark.....	Private.....	42	80 Hampshire street.
85	James E. Cunha.....	"	31	103 Elm street.
107	Michael Mullen.....	"	29	163 Portland street.

RESERVE ENGINE.

Second size Amoskeag engine; capacity, 650 gallons a minute; has been in service since 1869. New boiler 1897.

LADDER CO. NO. 1.

Eliot Square.

Ordinary ladder truck, drawn by three horses, equipped with 486 feet of ladders, the longest ladder 65 feet extension; also equipped with two 3-gallon and one 5-gallon extinguishers, and jumping net, life lines, etc. Put in service 1892. Rebuilt with improvements, wheels rubber tired 1907.

No. of Badge.	Name.	Rank.	Age.	Residence.
	Permanent Force.			
86	Cutler L. Vose.....	Captain.....	40	377 Huron avenue.
87	Albert S. Benson.....	Lieutenant.....	65	52 Boylston street.
88	William J. Anderson.	Private.....	36	79 Putnam avenue.
89	Benjamin McArthur..	"	34	4 DeWolfe street.
124	Garfield F. Eagleston	"	30	4 Foster street.
97	John F. McPherson..	"	35	67 Winthrop street.
	Call Force.			
92	Joseph E. Burke.....	Private.....	46	Mill street.
93	John W. Jefferson....	"	44	98 Winthrop street.
95	Thomas J. McGowan.	"	43	17 South street.
25	Walter L. Allen.....	"	28	70 Plympton street.
81	James E. Jefferson...	"	23	98 Winthrop street.
96	James F. Rooney.....	"	38	26 Shepard street.

LADDER CO. NO. 2.

276 *Portland Street.*

Combination ladder and chemical, drawn by three horses, equipped with 445 feet of ladders, longest ladder 65 feet extension; two 30-gallon chemical tanks, 200 feet of 3-4-inch chemical hose, two 3-gallon extinguishers, one deluge set complete, jumping net, life lines, etc. Put in service 1902. Wheels rubber tired 1906. Hub brake band applied 1908.

No. of Badge.	Name.	Rank.	Age.	Residence.
	Permanent Force.			
98	John T. McNamee....	Captain.....	53	9 Magazine street.
128	John H. Dardis.....	Lieutenant.....	38	27 Park street.
100	James J. Clifford.....	Private.....	36	71 Porter street.
101	Thomas Mimnaugh...	"	54	35 Warren street.
102	Charles J. McElroy..	"	29	74 Otis street.
116	Frank A. Casey.....	"	32	100 Gore street.
108	Thomas J. Parks.....	"	32	148 Berkshire street.
	Call Force.			
105	Jeremiah J. Hayes...	Private.....	42	17½ Marney street.
106	Thomas J. Lane.....	"	44	134 Otis street.
109	Edward E. Gaughin..	"	31	83 Plymouth street.
91	Timothy J. Murphy...	"	31	25 Lambert street.
104	William F. McGrath..	"	24	39 Hunting street.

LADDER CO. NO. 3.

394 *Massachusetts Avenue.*

Hayes 75-foot aerial, drawn by three horses, carries 172 feet of single ladders, jumping net, life lines, and two 3-gallon extinguishers; put in service 1894.

No. of Badge.	Name.	Rank.	Age.	Residence.
	Permanent Force.			
110	William F. Newman..	Captain.....	62	66 Winter street.
111	William H. Cairns...	Lieutenant.....	44	18 Vernon street.
112	Exurie J. Ouimette....	Private.....	45	394 Massachusetts avenue.
113	William C. Richardsor	"	40	20 Columbia street.
117	Maurice A. Skold.....	"	26	270 Washington street.
	Call Force.			
114	Charles A. Sharon....	Private.....	60	37 Pine street.
115	Lincoln E. Wheeler...	"	66	16 Columbia street.
103	Albert Smith.....	"	54	79 Plymouth street.

LADDER CO. NO. 4.

Garden Street.

Ordinary ladder truck drawn by two horses, with 340 feet of ladders, longest ladder 60 feet extension; two 3-gallon extinguishers, jumping net, life lines, etc.; put in service 1905. Wheels rubber tired.

No. of Badge.	Name.	Rank.	Age.	Residence.
	Permanent Force.			
126	Lewis C. Clark.....	Captain.....	63	264 Green street.
40	John Gibson, Jr.....	Private.....	33	114 Foster street.
121	Edward Grant.....	"	30	11 Gerry street.
9	Edward F. Kelly.....	"	25	427 Rindge avenue.
	Call Force.			
122	Thomas J. King.....	Private.....	31	264 Walden street.
48	George A. Reagan....	"	26	43 Creighton street.
46	Joseph T. Vocell.....	"	43	12 Bolton street.

RESERVE LADDER TRUCK.

Ordinary truck ready for service.

CHEMICAL ENGINE CO. NO. 1.

5 Western Avenue.

Perkins chemical engine, drawn by two horses, equipped with two 90-gallon tanks and two 3-gallon extinguishers, 200 feet of 2-inch linen hose, 450 feet of 3-4-inch chemical hose; has been in service since 1880. Wheels rubber tired 1904.

No. of Badge.	Name.	Rank.	Age.	Residence.
99	James F. McCabe....	Lieutenant.....	46	440 Massachusetts avenue.
1	William J. Atkinson..	Engineman.....	32	5 Plymouth street.
94	James H. McCabe....	Private.....	26	128 Hampshire street.
11	Daniel J. O'Connell..	"	25	497 Windsor street.

CHEMICAL ENGINE CO. NO. 2.

167 Lexington Avenue.

Champion chemical engine, drawn by two horses, equipped with two 60-gallon tanks and two 3-gallon estinguishers, 300 feet of 3-4-inch chemical hose; has been in service since 1894. Rebuilt and rubber tired 1908.

No. of Badge.	Name.	Rank.	Age.	Residence.
129	William H. Barrow...	Lieutenant.....	39	106 Fayerweather street.
130	Timothy Curran.....	Engineman.....	39	102 Fayerweather street.
131	Richard J. Doyle.. ..	Private.....	32	104 Fayerweather street.
132	Matthew F. Gleason..	"	37	104 Concord avenue.

COMBINATION WAGON.

Garden Street.

Combination hose and chemical wagon, drawn by two horses, equipped with two 25-gallon tanks, two 3-gallon extinguishers, 800 feet of 2 1-2-inch hose, 200 feet of 3-4 chemical hose; wheels rubber tired; put in service 1904. Used under same command with Ladder Co. No. 4.

No. of Badge.	Name.	Rank.	Age.	Residence.
133	Edward F. Conroy...	Lieutenant.....	36	10 Mt. Auburn street.
134	Charles R. Hooker...	Private.....	64	45 Fayette street.
123	Francis V. Doyle.....	"	31	104 Fayerweather street.
135	Bernard J. Coakley..	"	33	43 Hubbard avenue.

FIRES AND ALARMS.

From December 1, 1907, to April 1, 1909.

DECEMBER, 1907.

Sunday, Dec. 1, 7.45 A. M. Still.

No. 170 Erie Street. Owned by John Reardon. Loss, trifling. Occupied by Millard Fillmore as dwelling. No loss. Cause, sparks from chimney on roof.

Tuesday, Dec. 3, 8.19 A. M. Box 26.

No. 169 Washington Street. Owned by Rogers Estate. No loss. Occupied by J. Mathewson as dwelling. No loss. Cause, sparks from stove.

Wednesday, Dec. 4, 4.05 P. M. Still.

No. 13 Kirkland Street. Owned and occupied by F. G. Peabody as dwelling. No loss. Cause, chimney fire.

Thursday, Dec. 5, 9.13 A. M. Box 74.

No. 29 Bolton Street. Owned by Agnes Bellis. Loss, trifling. Occupied by Frank Bellis as dwelling. Loss trifling. Cause, thawing water pipes.

Thursday Dec. 5, 6.31 P. M. Box 7.

Off Prison Point Street. Owned by B. & M. R. R. Loss, $23,000. Insurance, $30,000. Occupied by B. & M. R. R. as round house and machine shop. Loss, $77,600. Insurance, $80,000. Cause, unknown.

Sunday, December 8, 11.19 A. M. Box 124.

No. 425 Cambridge Street. Owned by Woodbury Heirs. Loss, $110. Insurance, $7,500. Occupied by Albert Lynch as drug store. Loss, $40. Insurance, $50. Cause, careless throwing fire on awning over door.

Sunday, Dec. 8, 11.25 A. M. Still.

No. 1045 Cambridge Street. Owned and occupied by E. J. Dunphy as jewelry store. Loss, trifling. Cause, fire thrown on awning over door.

Sunday, Dec. 8, 11.19 P. M. Still.

Albro Street. Owned and occupied by American Storage Battery Co. No fire. Reflection of gas light in cellar mistaken for fire.

Monday, Dec. 9, 12.10 P. M. Box 17.

No. 21 Portland Street. Owned and occupied by Nathan Tarlanski as store. No fire. Cause, smoke from stove mistaken for fire.

Monday, Dec. 9, 4.40 P. M. Still.

No. 4 Village Street. Owned by J. P. Harris. Loss, trifling. Occupied by Timothy Noble as dwelling. No loss. Cause, oil can overturned on floor, taking fire.

Wednesday, Dec. 11, 7.40 A. M. Still.

No. 47 Gore Street. Owned by John Long. Loss, $10. Insurance, $2,000. Occupied by John Harrington as dwelling. Loss, $30. No insurance. Cause, children with matches set fire to bed.

Thursday, Dec. 12, 10.40 A. M. Still.

No. 1709 Cambridge Street. Owned by J. W. Ousler. Loss, $25. Insurance, $2,000. Occupied by J. W. Ousler as dwelling. Loss, $11. Insurance, $1,000. Cause, overheated stove pipe.

Thursday, Dec. 12, 11.43 A. M. Box 15.

No. 226 Charles Street. Owned by Grostein Bros. Loss, trifling. Occupied by Tony Bandine as dwelling. Loss, trifling. Cause, oil stove took fire.

Friday, Dec. 13, 12.16 P. M. Box 38.

No. 22 Park Street. Owned by A. P. Morse heirs. Loss, trifling. Occupied by Isaac Pike as dwelling. Loss, $25. No insurance. Cause, child set fire to clothing in trunk.

Saturday, Dec. 14, 5.40 A. M. Automatic.

Accidental automatic alarm from National Biscuit Company.

Saturday, Dec. 14, 12.33 P. M. Box 26.

No. 708 Main Street. Owned by Allen & Endicott. Loss, trifling. Occupied by J. Monks as laundry. No loss. Cause, dust on top of shaft ignited by candle.

Saturday, Dec. 14, 10.51 P. M. Box 431.

No. 99 Crescent Ave. Owned and occupied by A. H. Hews Corporation as wagon shed. Loss, $135. Insurance $135. Cause, tramps set fire to wagon.

Saturday, Dec. 14, 12.01 A. M. Still.

No. 169 Main Street. Owned by E. O. Boggs. Loss, trifling. Occupied by Annie Learned as dwelling. Loss, trifling. Cause, careless smoking on bed.

Thursday, Dec. 19, 3.55 A. M. Box 16.

Deacon Street. Owned by F. L. Hayden & Co. Loss, $200. No insurance. Occupied by F. L. Hayden & Co. as laboratory. Loss, $500. Insurance, $700. Cause, unknown. Originated in powdered charcoal.

Wednesday, Dec. 25, 9.35 P. M. Still.

No. 62 Sherman Street. Owned by N. E. Brick Co. Loss, trifling. Unoccupied dwelling. Cause, incendiary.

Saturday, December 28, 4.50 P. M. Box 13.

No. 94 Thorndike Street. Occupied by W. A. Smith as dwelling. Loss, trifling. Cause, lamp ignited curtain.

Sunday, Dec. 29, 5.17 P. M. Box 15.

No. 205 Vine Street. Owned by Manuel Rogers, No loss. Occupied by Manuel Peara as dwelling. Loss, trifling. Cause, lamp exploded.

Sunday, Dec. 29, 7.15 P. M. Still.

No. 58 Highland Street. Owned by Wm. M. Dunbar. No loss. Occupied by E. F. Gay as dwelling. No loss. Cause, soot in chimney.

Monday, Dec. 30, 12.58 P. M. Box 721.

No. 35 Harvey Street. Owned by M. Fietz. Loss, $400. Insurance, $1,000. Occupied by John Walch as dwelling. Loss, $20. Not insured. Cause, defective chimney.

JANUARY, 1908.

Wednesday, Jan. 1, 9.49 A. M. Box 145.

No. 514 Green Street. Owned by O. L. Carlson. Loss, trifling. Occupied by John McKenna as dwelling. Loss, $20. No insurance. Cause, child set fire to bed.

Wednesday, Jan. 1, 7.50 P. M. Box 25.

No. 868 Main Street. Owned by Charles Waugh & Co. Loss, $332. Insurance, $7,000. Occupied by Charles Waugh & Co. as carriage factory. Loss, $174.50. Insurance, $6,000. Cause, spontaneous combustion in rags and paint.

Wednesday, Jan. 1, 8.01 P. M. Box 26.

No. 9 Moore Street. Owned by E. D. Brooks. Loss, trifling. Occupied by Frank White as dwelling. Loss, $10. No insurance. Cause, overturned lamp ignited curtain.

Sunday, Jan. 5, 5.25 P. M. Still.

Near Massachusetts Avenue. Owned by B. & A. R. R. as freight car. No loss. Cause, supposed set afire by boys.

Monday, Jan. 6, 3.38 P. M. Box 14.

Decayed tree on Sixth Street. Set afire by boys.

Monday, Jan. 6, 5.10 P. M. Still.

No. 35 Flagg Street. Owned by B. Levine. Loss, trifling. Unoccupied dwelling. Cause, set afire under stairs by some person unknown.

Friday, Jan. 10, 5.45 P. M. Still.

Rubbish fire on Lansdowne Street.

Friday, Jan. 10, 6.45 P. M. Still.

No. 39 Hurlburt Street. Owned by Freeman B. Towne. No loss. Cause, soot in chimney.

Monday, Jan. 13, 6.20 P. M. Still.

No. 110 Plympton Street. Owned by Harvard Associates. No loss. Cause, electric wire in contact with nail.

Tuesday, Jan. 14, 4.49 P. M. Box 43.

Dump fire on Charles River Road.

Wednesday, Jan. 15, 12.59 P. M. Box 46.

No. 495 Green Street. Owned by Montgomery Rawlins. No loss. Occupied by Charles Talbot as dwelling. No loss. Cause, child Donald Talbot fatally burned playing with matches.

Thursday, Jan. 16, 12.47 A. M. Box 45.

No. 353 Franklin Street. Owned by Arthur Chamberlin. Loss, $100. Insurance, $800. Occupied by Elizabeth Hastings as dwelling. No loss. Cause, supposed incendiary. Originated under porch.

Thursday, Jan. 16, 2.06 P. M. Box 35.

No. 90 Norfolk Street. Owned by James O'Brien. Loss, $25. Insurance, $10,000. Occupied by Frank Searle as dwelling. Loss, $7. Insurance, $500. Cause, child with matches set fire to table cloth.

Thursday, Jan. 16, 3.43 P. M. Still.

No. 21 Thorndike Street. Owned by Irvin & Casson. No loss. Occupied by Joseph Josephs as storage house for cotton waste. Loss, $194.25. Insurance, $60,000. Cause, spontaneous.

Friday, Jan. 17, 5.18 P. M. Box 131.

No. 19 Porter Street. Owned by Frank Strowz. Loss, $150. Insurance, $2,000. Occupied by Frank Strowz as grocery. Loss, $350. Not insured. Cause, hanging lamp fell to floor and exploded.

Friday, Jan. 17, 7.14 P. M. Box 34.

No. 24 Union Street. Owned by E. H. Bright. Loss, trifling. Occupied by Lewis E. Dunbar as dwelling. Loss, trifling. Cause, overturned lamp.

Sunday, Jan. 19, 12.36 P. M. Box 41.

No. 23 Somerset Street. Owned by John Burke heirs. Loss, $10. Not insured. Occupied by G. Taylor as dwelling. No loss. Cause, sparks from chimney on roof.

Sunday, Jan. 19, 7.38 P. M. Box 13.

No. 88 Gore Street. Owned and occupied by John M. Casey as dwelling. No loss. Cause, lamp overturned.

Monday, Jan. 20, 9.12 A. M. Box 14.

No. 490 Cambridge Street. Owned by James McSorley. Loss, $30. Insurance, $1,000. Occupied by James Driscoll as dwelling. Loss, trifling. Cause, sparks from stove ignited wood box.

Monday, Jan. 20, 5.30 P. M. Box 124.

Gore Street. Alarm unnecessary. Cause, defect in electric wire.

Monday, Jan. 20, 12.05 P. M. Still.

No. 12 Winslow Street. Owned by T. M. Crothers. Loss, $35. Insurance, $2,000. Occupied by John Keefe as dwelling. No loss. Cause, thawing water pipe.

Tuesday, Jan. 21, 3.30 P. M. Still.

No. 1 Deacon Street. Owned by Ellen A. Dow. Loss, $20. Insurance, $1800. Occupied by Smart Carpet Cleaning Co. No loss. Cause, overheated exhaust pipe in engine room.

Tuesday, January 21, 5.48 P. M. Box 31.

No. 152 Willow Street. Owned by H. Keshenofsky. Loss, $15. Insurance, $1500. Occupied by H. Goredetzky as dwelling. Loss, trifling. Cause, child with matches set fire to paper in water closet.

Wednesday, Jan. 22, 4.45 P. M. Still.

Dump fire off River Road.

Wednesday, Jan. 22, 5.30 P. M. Still.

Dump fire on Landsdown Street.

Wednesday, Jan. 22, 7.09 P. M. Box 13.

No. 72 Fourth Street. Owned and occupied by C. J. Donovan as dwelling. Loss, $110. Insurance, $1,000. Cause, careless dropping match on couch.

Wednesday, Jan. 22, 9.16 P. M. Box 124.

False alarm.

Thursday, Jan. 23, 9.13 A. M. Box 14.

No. 459. Cambridge Street. Owned by Thomas W. Mullin. Loss, $57. Insurance, $2,500. Occupied by John Sylvia as dwelling. Loss, $20. Not insured. Cause, careless dropping match on table cover.

Thursday, Jan. 23, 10.17 A. M. Box 135.

No. 28 Inman Street. Owned by Elizabeth Dority. Loss, trifling. Occupied by G. D. Bouisy as dwelling. No loss. Cause, careless dropping match in rubbish at bottom of air shaft.

Thursday, Jan. 23, 12.45 P. M. Still.

No. 49 Linnaean Street. Owned and occupied by J. Q. Bennett as dwelling. No loss. Cause, stove pipe filled with soot causing smoke.

Saturday, Jan. 25, 12.30 P. M. Box 9.

Near East Street. Owned by B. & M. R. R. as switch house. Loss, $100. Insurance, $100. Cause, careless leaving fire igniting oil.

Sunday, Jan. 26, 5.06 P. M. Box 32.

No. 1010 Cambridge Street. Owned by Thomas E. Scanlan. No loss. Occupied by John Weiner as plumber. No loss. Cause, soot in chimney.

Tuesday, Jan. 28, 3.10 P. M. Still.

No. 6 Sacramento Street. Owned by Charles S. Bishop. Occupied by several families. No loss. Cause, soot in chimney.

Thursday, Jan. 30, 10.54 A. M. Still.

No. 8 Francis Avenue. Owned and occupied by John G. Brooks as dwelling. No loss. Cause, smoke from stove mistaken for fire.

Thursday, Jan. 30, 10.42 P. M. Box 13.

No. 258 Cambridge Street. Owned by M. E. Church Society. Loss, $800. Insurance, $800. Occupied by Wm. R. Adams as dry goods store. Loss, $3,661. Insurance, $4,500. Occupied by Frederick M. Pickles as dwelling. Loss, $300. Not insured. Cause, overheated furnace in basement.

Friday, Jan. 31, 4.29 P. M. Box 112.

False alarm.

Friday, Jan. 31, 7.45 P. M. Box 39.

No. 11 Tufts Street. Owned by Twenty Associates. Loss, trifling. Occupied by G. H. Cloyes as dwelling. No loss. Cause, overheated stove in parlor.

FEBRUARY.

Tuesday, February 4, 9.49 P. M. Box 134.

No. 81 Tremont Street. Owned by Rebecca Kline. Loss, trifling. Occupied by Augustus Sylvester as dwelling. No loss. Cause, thawing water pipes.

Wednesday, February 5, 8.18 A. M. Box 16.

No. 320 Main Street. Owned by S. Rose. Loss, $335. Insurance, $3,000. Occupied by S. Rose as mill. Loss $958. Insurance, $2,100. Cause supposed to be from electric wire.

Wednesday, February 5, 9.55 P. M. Box 28.

No. 189 Portland Street. Owned by Boston Woven Hose and Rubber Co. Loss, $1,125. Insurance, $1,125. Occupied by Boston Woven Hose & Rubber Co. as factory. Loss, $718. Insurance $718. Cause, dust over boiler ignited.

Wednesday, February 5, 9.57 P. M. Box 428.

Alarm for same as from Box 28.

Thursday, February 6, 8.50 A. M. Still.

No. 278 Portland Street. Owned and occupied by Hanlon & Son as saw mill. No loss. Cause, thawing water pipe.

Thursday, February 6, 11.35 A. M. Box 8.

No. 90 First Street. Owned by John T. Scully. No loss. Occupied by John Murphy as dwelling. No loss. Cause, thawing water pipe.

Friday, February 7, 4.35 A. M. Box 26.

No. 764 Main Street. Owned by Margaret Winn. No loss. Occupied by John Springer as dwelling. No loss. Cause, exploded lamp.

Saturday, February 8, 10.18 A. M. Box 464.

Garden Street. Owned by Harvard College Corp. No loss. Occupied by Professor Pickering as dwelling. No loss. Cause, soot in chimney.

Saturday, February 8, 8.45 P. M. Box 23.

No. 6 Salem Street. Owned by J. V. N. Stuetts. Loss trifling. Occupied by Charles P. Symonds as dwelling. No loss. Cause, overturned lamp.

Sunday, February 9, 3.26 A. M. Box 131.

No. 10 Parnell Street. Owned by Jerome Linehan. No loss. Occupied by Lena Owens as dwelling. No loss. Cause, smoke from burning paper thawing water pipes.

Sunday, February 9, 6.50 A. M. Still.

No. 20 Quincy Street. Owned and occupied by Colonial Club. No loss. Cause, soot in chimney.

Sunday, February 9, 5.23 P. M. Box 215.

No. 245 Bent Street. Owned by Frederick Sleeper. Loss, $70. Insurance, $4,000. Occupied by James Kelly as dwelling. No loss. Cause, thawing water pipe.

Monday, February 10, 12.04 A. M. Box 136.

No. 5 Norfolk Street. Owned by Hannah Powers. Loss, $40. Insurance, $15,000. Occupied by W. T. Roop. Loss on awning, $21. Insurance, $25. Cause, careless throwing fire on awning.

Monday, February 10, 4.10 P. M. Box 34.

Columbia Street. Owned by City of Cambridge. Loss, $20,000. Not insured. Occupied by City of Cambridge as school. Loss, $2,400. Not insured. Cause, overheated furnace.

Monday, February 10, 4.12 P. M. Box 32.

Alarm for same as from Box 34.

Monday, February 10, 6.02 P. M. Box 71.

No. 34 Yorktown Street. Owned by Ernest T. Reisman. Loss, $35. Insurance, $2,500. Occupied by Ernest T. Reisman as dwelling. Loss, $74. Insurance, $500. Cause, child set fire to curtain.

Tuesday, February 11, 7.18 P. M. Box 35.

No. 202 Harvard Street. Owned by M. Brooks. Loss, $8. Insurance, $2,000. Occupied by Ella Mooney as dwelling. Loss, $5. Not insured. Cause, curtain took fire from gas light.

Tuesday, February 11, 7.20 P. M. Box 341.

Alarm for same as from Box 35.

Wednesday, February 12, 3.14 P. M. Box 32.

No. 1019 Cambridge Street. Owned by J. P. Squire Est. No loss. Occupied by several families as dwelling. No loss. Cause, rugs in entry set afire by children.

Wednesday, February 12, 10.29 P. M. Box 169.

No. 121 Rindge Avenue. Owned by Augustus W. Melvin. Loss, $63. Insurance, $1,000. Occupied by A. W. Melvin as dwelling. Loss, $90. Insurance, $1,000. Cause, overturned lamp.

Friday, February 14, 10.21 A. M. Box 24.

No. 145 Erie Street. Owned by M. Myerson. Loss trifling. Occupied by Joseph Gove as dwelling. No loss. Cause, clothing in closet set afire by lamp.

Sunday, February 16, 7.35 P. M. Box 29.

No. 61 Hampshire Street. Owned by Miss Clay. No loss. Occupied by Hampshire Association as club room. No loss. Cause, lamp dropped and broken.

Wednesday, February 19, 12.06 A. M. Box 36.

No. 23 Prospect Street. Owned by M. Robbins. Loss, $40. Insurance, $20,000. Occupied by Morris Rosman as tailor shop. Loss, $43. Insurance, $1,000. Cause, careless dropping match in rags.

Friday, February 21, 10.00 A. M. Still.

No. 140 Albany Street. Owned and occupied by Ward Corby Co. Cause, ashes and cinders afire under floor and ovens. No claim made for insurance loss.

Tuesday, February 25, 10.18 A. M. Box 34.

No. 42 Market Street. Owned by Morris Freed. No loss. Occupied by George Blake as dwelling. No loss. Cause, supposed incendiary. Originated in cellar under stairs.

Tuesday, February 25, 7.48 P. M. Box 35.

No. 21 Suffolk Street. Owned by L. M. Hannum. No loss. Occupied by A. F. Manning as dwelling. No loss. Cause, lamp burner fell from lamp.

Wednesday, February 26, 5.45 P. M. Still.

Near Wellington Street. Owned by B. & M. R. R. Loss, $2,000. Insurance, $2,000. Cause, construction cars set afire by tramps.

Friday, February 28, 6.20 P. M. Still.

No. 61 Lexington Avenue. Owned by A. J. Wallace as dwelling. No loss. Cause, soot in chimney.

Friday, February 28, 7.20 P. M. Still.

No. 29 Marcella Street. Owned by G. O. Thurston. Loss, $275. Insurance, $3,000. Occupied by Jacob Goldberg as dwelling. Loss, $100. Insurance, $500. Cause, clothes in closet set afire by candle.

Saturday, February 29, 12.45 P. M. Still.

No. 116 Broadway. Owned by Hector Desnoyess as unoccupied dwelling. Loss, $50. Insurance, $14,000. Cause, fire from stove in opposite room fell on floor through open stovepipe hole in chimney.

Saturday, February 29, 5.52 P. M. Box 52.

No. 1152 Massachusetts Avenue. Owned by George R. Southwick. No loss. Occupied by K. A. Brown as dwelling. Loss, $50. Not insured. Cause, candle set fire to table cover.

MARCH.

Monday, March 2, 11.22 P. M. Box 35.

No. 244 Harvard Street. Owned and occupied by A. M. Robbins as dwelling. No loss. Cause, wood in stove oven to dry took fire.

Wednesday, March 4, 8.20 A. M. Still.

B. & M. R. R. Owned by B. & M. R. R. as boiler room. Loss trifling. Cause, floor under car heating plant took fire.

Wednesday, March 4, 12.48 P. M. Box 271.

No. 2450 Massachusetts Avenue. Owned by Clark Brothers. Loss trifling. Occupied by A. W. Ganong as blacksmith shop. No loss. Cause, spark from forge set fire to oakum on floor.

Thursday, March 5, 10.15 P. M. Still.

No. 880 Main Street. Owned by Asa Lamson. No loss. Occupied by John F. Gurry as blacksmith shop. No loss. Cause, sparks from forge on floor.

Sunday, March 8, 3.58 A. M. Box 176.

No. 165 Upland Road. Owned by John P. Stearns. Loss, $450. Insurance, $5,900. Occupied by John S. Cranston as dwelling. Loss, $160. Insurance, $3,500. Cause, overheated hot air pipe in partition.

Tuesday, March 10, 3.42 P. M. Still.

Fire in rubbish on vacant land on Jefferson Street.

Tuesday, March 10, 5.23 P. M. Still.

No. 77 Avon Hill Street. Owned by E. Gordon Parker as dwelling. No loss. Cause, soot in chimney.

Wednesday, March 11, 9.48 P. M. Box 7.

Near Prison Point Street. Owned and occupied by B. & M. R. R. as coal shed. No loss. Cause, oily waste.

Thursday, March 12, 2.32 P. M. Still.

No. 11 Huron Avenue. Owned by A. S. Kendall. Loss, $60. Insurance, $4,000. Occupied by A. S. Kendall as dwelling. Loss, $32. Insurance, $1,500. Cause, woman cleaning gloves with naphtha.

Tuesday, March 17, 6.07 A. M. Box 29.

No. 69 Hampshire Street. Owned and occupied by S. Rosenberg as rag storage. Loss trifling. Cause, fire on corner post of building, unknown.

Tuesday, March 17, 2.28 P. M. Box 9.

No. 103 Cambridge Street. Owned by Charles Daily. Loss, $35. Insurance, $3,000. Occupied by Thomas McLaughlin as dwelling. Loss trifling. Cause, child set fire under sink.

Tuesday, March 17, 3.30 P. M. Box 43.

No. 95 Banks Street. Owned by Burns Estate. Loss, $450. Insurance, $2,500. Occupied by John Galvin as dwelling. Loss, $100. Not insured. Occupied by Catherine Murphy as dwelling. Loss, $50. Not insured. Cause, rats and matches in ceiling of first floor.

Tuesday, March 17, 6.42 P. M. Box 162.

No. 4 Burns Court. Owned by Timothy Burns. No loss. Occupied by Daniel O'Meara as dwelling. Loss, $15.50. Insurance, $500. Cause, careless dropping lighted match on bed.

Wednesday, March 18, 6.20 P. M. Box 78.

No. 85 Concord Avenue. Owned by John F. O'Brien. No loss. Occupied by Wm. J. Collins as dwelling. Loss, $25. Insurance, $1,000. Cause, child set fire to curtain.

Thursday, March 19, 5.00 P. M. Still.

No. 313 Cambridge Street. Owned by McClusky & Hasty. No loss. Occupied by J. H. O'Neil as dwelling. No loss. Cause, careless dropping match in rubbish in cellar.

Friday, March 20, 6.35 A. M. Still.

No. 48 Broadway. Owned by Mary McKenna. Loss, $15. Insurance, $1,000. Occupied by J. McManus. No loss. Cause, defect in chimney.

Monday, March 23, 2.17 P. M. Box 137.

No. 258 Western Avenue. Owned by John F. Shaw. Loss, $49. Insurance, $3,500. Occupied by Louis Morris as dwelling. Loss, $100. Insurance, $500. Cause, child set fire to clothing in closet.

Monday, March 23, 4.55 P. M. Box 139.

No. 159 Hamilton Street. Owned by Catherine Cummings. Loss, $115. Insurance, $2,100. Occupied by Catherine Cummings as dwelling. Loss, $75. Insurance, $3,000. Cause, sparks from stovepipe hole in chimney set fire to rags on floor in cellar.

Monday, March 23, 5.15 P. M. Box 13.

No. 82 Otis Street. Owned by V. H. Grover. Occupied by W. G. Davis as dwelling. No fire. Man sitting in window smoking a pipe.

Monday, March 23, 6.54 P. M. Box 38.

False alarm.

Monday, March 23, 7.24 P. M. Box 32.

No. 309 Webster Avenue. Owned by Louis Goldman. No loss. Occupied by M. Donahue *et al.* as dwelling. No loss. Cause, soot in chimney.

Tuesday, March 24, 11.50 A. M. Still.

No. 12 Mead Street. Owned and occupied by Wm. Haley as stable. Loss trifling. Cause, sparks from locomotive on roof.

Tuesday, March 24, 9.06 P. M. Box 131.

No. 13 Parnell Street. Owned by Charles Linehan Estate. No loss. Occupied by Michael Corcoran as dwelling. Loss, $25. Not insured. Cause, child overturned lamp.

Wednesday, March 25, 9.56 P. M. Box 13.

No. 307 Cambridge Street. Owned by M. J. Harty. Loss, $214.50. Insurance, $6,000. Occupied by K. C. McCarthy as millinery store. Loss, $480. Insurance, $500. Cause, mice and matches in case of drawers.

Thursday, March 26, 9.15 A. M. Still.

No. 558 Massachusetts Avenue. Owned by C. E. Watson as stores. No loss. Cause, sparks from chimney on roof.

Friday, March 27, 7.45 A. M. Box 12.

No. 258 Bridge Street. Owned by Charles Linehan Estate. Loss, $150. Insurance, $1,500. Occupied by John Coleman as dwelling. No loss. Cause, sparks from chimney on roof.

Saturday, March 28, 1.15 A. M. Still.

Harvard Bridge. Cause, defect in electric wires under bridge ignited wood.

Sunday, March 29, 7.02 P. M. Still.

No. 49 Hawthorn Street. Owned by George Mathews. No loss. Occupied by George Cady as dwelling. No loss. Cause, soot in chimney.

Monday, March 30, 8.58 A. M. Box 34.

Accidental alarm caused by moving telegraph pole.

Monday, March 30, 6.50 P. M. Box 126.

No. 261 Washington Street. Owned by A. Lamson. Loss, $25. Insurance, $3,000. Occupied by Annie S. Anderson as dwelling. No loss. Cause, defective gas pipe.

Monday, March 30, 8.16 P. M. Box 76.

False alarm.

Tuesday, March 31, 3.53 P. M. Box 41.

No. 253 River Street. Owned by S. C. Stebbins. No loss. Occupied by Rose Woodworth as dwelling. Loss, $50. Not insured. Cause, careless dropping match on bed.

APRIL.

Wednesday, April 1, 12.20 P. M. Still.

No. 39 Brattle Street. Owned by James Bixby. Loss, $35. Insurance, $7,000. Occupied by F. W. Whittemore as dwelling. No loss. Cause, masons working on roof careless dropping fire.

Thursday, April 2, 12.26 A. M. Box 26.

No. 803 Main Street. Owned by E. Francis Davis. Loss, $20. Insurance, $4,000. Occupied by Wendell Brown as dry goods store. Loss, $90. Insurance, $600. Cause, careless dropping fire in rubbish in rear room.

Saturday, April 4, 10.35 A. M. Still.

Cause, rubbish on vacant land on Charles Street.

Saturday, April 4, 3.47 P. M. Box 39.

Cause, dump fire on Pleasant Street.

Saturday, Apriil 4, 4.20 P. M. Still.

No. 502 Massachusetts Avenue. Owned by Phillips Bros. No loss. Occupied by Thomas Charak as cigar store. No loss. Cause, sparks from furnace in cellar.

Sunday, April 5, 11.15 A. M. Still.

No. 114 Upland Road. Owned by Mary L. Pelky. No loss. Occupied by Frank Locke as dwelling. No loss. Cause, sparks from chimney on roof.

Sunday, April 5, 11.40 A. M. Still.

Madison Street. Cause, grass fire.

Sunday, April 5, 2.42 P. M. Box 425.

No. 29 Brookline Street. Owned by L. M. Hannum. No loss. Occupied by W. H. Schofield as dwelling. No loss. Cause, sparks from chimney on roof.

Sunday, April 5, 3.10 P. M. Still.

No. 12 Marcella Street. Owned by M. Grasman. Loss, trifling. Cause, children set fire to board walk.

Tuesday, April 7, 2.00 A. M. Still.

Ninth Street. Owned by B. & A. R. R. No loss. Cause, freight car set afire by tramps.

Tuesday, April 7, 10.00 A. M. Still.

No. 25 Kirkland Street. Owned and occupied by F. R. Appleton as dwelling. No loss. Cause, pan of fat on stove took fire.

Wednesday, April 8, 2.00 P. M. Still.

No. 96 Mt. Auburn Street. Occupied by W. J. Hornsby as dwelling. No loss. Cause, smoke from stove filled room.

Wednesday, April 8, 4.30 P. M. Still.

No. 1 Pleasant Street. Owned and occupied by A. L. Norris as dwelling. Cause, smoke from stove filled room.

Friday, April 10, 1.17 A. M. Box 93.

No. 3 Thingvalla Avenue. Owned by Wm. McChlarie. Loss, trifling. Occupied by Robert McCarthy as dwelling. Loss, $10. Not insured. Cause, careless smoking in bed.

Saturday, April 11, 1.48 P. M. Box 424.

Waverly Street. Owned and occupied by John Reardon as soap factory. No loss. Cause, kettle of tar boiled over in yard.

Saturday, April 11, 3.49 P. M. Still.

Cause, rubbish on dump on Pleasant Street.

Saturday, April 11, 4.35 P. M. Still.

No. 798 Main Street. Owned by F. L. Cutter as dwelling. No loss. Cause, soot in Chimney.

Sunday, April 12, 1.33 P. M. Box 25.

Alarm given to assemble men to send to Chelsea.

Sunday, April 12, 3.40 P. M. Still.

No. 257 Cambridge Street. Owned by Theodore Blake as dwelling. No loss. Cause, soot in chimney.

Sunday, April 12, 5.25 P. M. Box 215.

Ninth Street. Owned by B. & A. R. R. No loss. Cause, rubbish in freight car set afire by boys.

Sunday, April 12, 8.20 P. M. Box 112.

No. 181 Bridge Street. Owned by Frank Juffery. Loss, trifling. Occupied by J. Cornell as dwelling. No loss. Cause, lamp dropped from shelf.

Monday, April 13, 9.31 P. M. Box 92.

No. 223 Brattle street. Rubbish in yard. No. damage.

Tuesday, April 14, 9.45 P. M. Still.

Flagg Street. Cause, rubbish on dump.

Friday, April 17, 1.41 P. M. Box 10.

First Street. Owned by James McSorley. Loss, $25. Not insured. Occupied by S. Kaufman as barrel storage. Loss, $60. Not insured. Cause, set afire by boys.

Friday, April 17, 1.43 P. M. Box 433.

Alarm given for same fire as from Box 10.

Saturday, April 18, 12.22 A. M. Box 53.

No. 40 Holyoke Street. Owned by Harvard Riverside Association as dwelling. No fire, smoke mistaken for fire.

Saturday, April 18, 7.17 A. M. Box 137.

No. 155 Western Avenue. Owned and occupied by John Martini as dwelling. Loss, $75. Insurance, $4,000. Cause, hot ashes in barrel set fire to house outside.

Saturday, April 18, 10.30 P. M. Box 134.

No. 167 Tremont Street. Owned by John Cunningham as dwelling. No loss. Mattress in cellar, cause unknown.

Sunday, April 19, 6.04 P. M. Box 14.

No. 3 Bacon Court. Owned by J. P. Squire's Estate. Loss, trifling. Occupied by Henry Baily as dwelling. Loss $25. Not insured. Cause, careless dropping match in clothes closet.

Sunday, April 19, 10.30 P. M. Box 25.

No. 877 Main Street. Owned by Katherine L. White. Loss, $500. Insurance, $7,000. Occupied by J. Lawrentis as photographer. Loss, $140. Insurance, $800. Fire originated in entry. Cause unknown.

Monday, April 20, 7.52 P. M. Box 73.

No. 227 Rindge Avenue. Owned and occupied by Edward T. O'Connor as dwelling. No loss. Cause, lamp overturned.

Tuesday, April 21, 9.33 A. M. Box 157.

No. 50 Sacramento Street. Owned by Peter J. Healy. Loss, $25. Not insured. Occupied by Peter J. Healy as dwelling. Loss, $288. Insurance, $1,000. Cause, child set fire to clothing in closet.

Tuesday, April 21, 5.00 P. M. Still.

No. 310 Webster Avenue. Owned by Hannah Welch as dwelling. No loss. Cause, soot in chimney.

Tuesday, April 21, 7.50 P. M. Box 151.

No. 26 Trowbridge Street. Owned by W. A. Davis. Loss trifling. Cause, automobile afire in street.

Wednesday, April 22, 6.49 P. M. Box 215.

Near Ninth Street. Owned by B. & A. R. R. as car. Loss, trifling. Occupied by Bicknell Fuller Co. as paper in freight car. Loss, $35. Not insured. Cause, set afire by boys.

Friday, April 24, 10.00 A. M. Still.

No. 346 Massachusetts Avenue. Owned by G. Whitehead. Loss, trifling. Occupied by A. Helstrom as dwelling. No loss. Cause, sparks from chimney on roof.

Friday, April 24, 4.10 P. M. Still.

Accidental automatic alarm from Shaw Brothers.

Friday, April 24, 7.09 P. M. Box 215.

Dump fire on Ninth Street.

Friday, April 24, 10.43 P. M. Box 25.

No. 569 Massachusetts Avenue. Owned by E. L. Bridges *et al.* No loss. Occupied by Baron S. Walker as stable office. No loss. Cause, smoke from stove.

Saturday, April 25, 11.22 P. M. Box 74.

No. 41 Sargent Street. Owned by Martin D. Newmyer. Loss, $68. Insurance, $925. Occupied by M. D. Newmyer as dwelling. Loss, $70. Insurance, $550. Cause, careless smoking on couch.

Sunday, April 26, 12.41 A. M. Box 14.

No. 428 Cambridge Street. Owned by W. S. Merrill. Loss trifling. Occupied by Mary Sexton as dwelling. Loss trifling. Cause, lamp dropped and broken.

Sunday, April 26, 4.43 P. M. Box 42.

No. 386 River Street. Owned by W. F. Holmes. Loss, $1,816. Insurance, $2,500. Occupied by P. H. McLaughlin & Co. as hay and grain store. Loss, $3,500. Insurance, $3,500. Cause, supposed set by boys smoking outside of building.

Wednesday, April 29, 3.04 P. M. Box 8.

Rear 84 First Street. Owned by Louis Covitch. Loss trifling. Cause, automobile afire.

Wednesday, April 29, 6.22 P. M. Box 26.

No. 693 Main Street. Owned by E. A. Brooks. No loss. Occupied by David Hanlon as dwelling. No loss. Cause, children set fire to rubbish on piazza.

Thursday, April 30, 7.35 P. M. Box 215.

Dump fire on Ninth Street.

MAY.

Friday, May 1, 9.33 P. M. Box 176.

False alarm.

Monday, May 4, 9.10 A. M. Box 31.

No. 883 Cambridge Street. Owned by Daniel Cronin. Loss, $100. Insurance, $1,500. Occupied by Daniel Cronin as dwelling. No loss. Cause, defect in chimney.

Monday, May 4, 3.30 P. M. Still.

No. 783 Main Street. Owned by James Smith. No loss. Occupied by David T. Pike as provision store. No loss. Cause, careless dropping match in sawdust in cellar.

Tuesday, May 5, 3.54 P. M. Box 25.

No. 525 Massachusetts Avenue. T. H. Raymond, Agt. Loss, $143. Insurance, $6,000. Cause, fire on roof.

Wednesday, May 6, 10.55 A. M. Box 17.

No. 47 Washington Street. Owned by Dora Kirshner. Loss, $113. Insurance, $1,150. Occupied by John Rudsatis as dwelling. Loss trifling. Cause, careless dropping match in wood-box.

Wednesday, May 6, 7.30 P. M. Still.

No. 29 Everett Street. Owned by A. S. Page as dwelling. No loss. Cause, soot in chimney.

Thursday, May 7, 5.40 P. M. Box 32.

No. 414 Columbia Street. Owned by J. P. Squire Estate as dwelling. No loss. Cause, soot in chimney.

Friday, May 8, 2.30 A. M. Still.

Accidental automatic from National Biscuit Co.

Saturday, May 9, 1.31 P. M. Box 32.

No. 414 Columbia Street. Owned by J. P. Squire Estate as dwelling. No loss. Cause, smoke from chimney through water closet vent pipe.

Saturday, May 9, 9.08 P. M. Box 178.

No. 279 Walden Street. Owned and occupied by George Yore as dwelling. Loss, $30. Insurance, $2,000. Cause, heating turpentine on stove, took fire.

Sunday, May 10, 6.35 A. M. Still.

No. 96 Magazine Street. Owned and occupied by John Hood as dwelling. No loss. Cause, smoke from stove.

Tuesday, May 12, 4.45 P. M. Still.

Brookline Street Dump.

Tuesday, May 12, 7.30 P. M. Still.

No. 6 Jefferson Street. Owned by Edmund Blake as dwelling. No loss. Cause, soot in chimney.

Tuesday, May 12, 7.36 P. M. Box 8.

No. 84 Second Street. Owned and occupied by C. J. McCarthy as blacksmith shop. No loss. Cause, spark from forge set fire to oakum on floor.

Tuesday, May 12, 12.05 P. M. Still.

Banks Street dump.

Wednesday, May 13, 8.23 P. M. Box 76.

Automobile on Arlington Street took fire. Owned by L. F. Clark.

Thursday, May 14, 11.22 P. M. Box 454.

College Yard. Owned and occupied by Harvard University as laboratory. No fire. Cause, gas light in window mistaken for fire.

Friday, May 15, 3.44 P. M. Box 26.

No. 26 Windsor Street. Owned by Luke Reddick. Loss, $25. Insurance, $3,500. Occupied by Wm. Dunmore as dwelling. Loss, $25. Not insured. Cause, child set fire to curtain.

Sunday, May 17, 7.46 P. M. Box 215.

Ninth Street Freight Yard. Owned by Michigan Central R. R. as car. Loss, $200. Insurance, $1,000. Cause, incendiary.

Monday, May 18, 12.56 P. M. Box 32.

No. 235 Elm Street. Owned by Thomas Cummiskey. Loss, $17.50. Insurance, $1,800. Occupied by Patrick Coughlin as dwelling. Loss, $25. Not insured. Cause, cleaning bed with naphtha.

Tuesday, May 19, 10.53 P. M. Box 17.

No. 57 Harvard Street. Owned by Lever Bros. as unoccupied dwelling. Loss trifling. Cause, incendiary.

Friday, May 22, 8.13 P. M. Box 25.

No. 840 Main Street. Owned by Eben Denton. Loss, $334. Insurance, $2,500. Occupied by Naviske Katz as furniture store. Loss, $950. Insurance, $2,000. No. 842 Main Street, occupied by Lydian Confectionery Co. Loss, $40. Insurance, $2,000. Cause, exposure from fire at 840 Main Street. Origin of fire unknown.

Tuesday, May 26, 2.26 P. M. Box 32.

No. 297 Elm Street. Owned by Hanna O'Connor as dwelling. No loss. Cause, soot in chimney.

Wednesday, May 27, 8.58 A. M. Box 42.

No. 5 Somerset Street. Owned by A. M. Hederstedt. Loss, $225. Insurance, $3,000. Occupied by Patrick Burns as dwelling. No loss. Cause, sparks on roof from chimney.

Wednesday, May 27, 9.00 A. M. Box 41.

Alarm for same fire as from Box 42.

Wednesday, May 27, 11.38 A. M. Box 16.

No. 67 Broadway. Owned and occupied by A. A. Elston as storage of second hand building material. Loss trifling. Cause, boys playing with matches.

Wednesday, May 27, 3.13 P. M. Box 73.

No. 324 Rindge Avenue. Owned by N. E. Brick Co. as unoccupied dwelling. Loss, trifling. Cause, set afire by boys.

Wednesday, May 27, 8.35 P. M. Box 31.

No. 20 Hunting Street. Owned and occupied by T. J. Lane as dwelling. No loss. Cause, child set fire to curtain.

Thursday, May 28, 12.05 A. M. Still.

No. 7 Russell Street. Owned by M. B. Soule. No loss. Occupied by Thomas F. Royal as dwelling. Loss trifling. Cause, gas light ignited curtain.

Thursday, May 28, 6.31 P. M. Box 26.

No. 19 Harrison Street. Owned by Brooks Estate. Loss trifling. Occupied by C. G. Juble as dwelling. Loss trifling. Cause, careless dropping match in paper behind stove.

Friday, May 29, 11.48 A. M. Box 136.

No. 2 Ashburton Place. Owned by Lizzie A. Davis. Loss, $55. Insurance, $2,500. Occupied by Lizzie A. Davis as dwelling. Loss, $8. Not insured. Cause, oil stove took fire.

Friday, May 29, 8.25 P. M. Box 32.

No. 479 Windsor Street. Owned by M. Wiseman as yard. No loss. Cause, children set fire to rubbish.

Saturday, May 30, 11.57 P. M. Box 175.

No. 75 Crescent Avenue. Owned by Davis Machine Co. Loss, $1,850. Insurance, $2,000. Occupied by Davis Machine Co. as machine shop. Loss, $6,778. Insurance, $3,000. Cause, oily waste.

JUNE.

Tuesday, June 2, 11.13 A. M. Box 15.

No. 317 Vine Street. Owned by Frank Glazier. No loss. Occupied by John Kochane as dwelling. No loss. Cause, pan of fat on stove.

Wednesday, June 3, 7.45 A. M. Still.

No. 35 Harvard Street. Owned by Peter Heslin. No loss. Occupied by James Kelly as dwelling. No loss. Cause, woman's clothing took fire by sparks from stove.

Wednesday, June 3, 11.34 A. M. Box 32.

No. 403 Columbia Street. Owned by R. A. Fines. No loss. Cause, boys set fire to rubbish in yard.

Thursday, June 4, 4.02 P. M. Box 14.

No. 497 Cambridge Street. Owned and occupied by Mary Whorisky as dwelling. No fire. Cause, smoke from stove.

Friday, June 5, 11.45 A. M. Still.

Ninth Street Freight Yard. Owned by B. & A. R. R. No loss. Cause, car set afire by boys.

Saturday, June 6, 12.45 P. M. Box 41.

No. 48 Fairmont Street. Owned by Charles E. Pierce. Loss, $51. Insurance, $2,500. Occupied by Augustus Griffin as dwelling. Loss, $25. Not insured. Cause, careless dropping match in clothes closet.

Saturday, June 6, 9.45 P. M. Still.

Dump fire on Lansdowne Street.

Monday, June 8, 11.14 P. M. Box 79.

False alarm.

Tuesday, June 9, 2.49 P. M. Box 52.

No. 43 Mt. Auburn Street. Owned by University Associates. Loss trifling. Cause, sparks from chimney on roof.

Tuesday, June 9, 2.51 P. M. Box 153.

Alarm for same fire as from Box 52.

Tuesday, June 9, 6.00 P. M. Still.

Dump fire on Lansdowne Street.

Wednesday, June 10, 9.00 P. M. Still.

No. 205 Appleton Street. Owned by Ann Boyle Estate as dwelling. No loss. Cause, soot in chimney.

Thursday, June 11, 8.47 P. M. Box 178.

No. 283 Walden Street. Owned by N. E. Brick Co. as unoccupied dwelling. Loss, trifling. Cause, set afire by boys.

Friday, June 12, 7.37 P. M. Box 215.

Ninth Street Freight Yard. Owned by B. & A. R. R. as car. Loss, $200. Insurance, $700. Occupied by Stanley & Harlow as hay. Loss, $70. Insurance, $112. Cause, set afire by boys.

Friday, June 12, 9.00 P. M. Still.

Dump fire on Lansdowne Street.

Friday, June 12, 10.42 P. M. Box 137.

No. 61 Howard Street. Owned by Charles P. Keith. No loss. Occupied by Martha Mills as dwelling. No loss. Cause, careless dropping lamp.

Saturday, June 13, 8.51 A. M. Box 32.

No. 917 Cambridge Street. Owned and occupied by Atlantic Distilling Co. Loss, $150. Insurance, $150. Cause, overheated smoke pipe set fire to roof.

Saturday, June 13, 8.56 P. M. Box 428.

Portland Street. Owned and occupied by Boston Woven Hose Co. as factory. No loss. Cause, slight explosion of naphtha.

Sunday, June 14, 5.45 P. M. Still.

No 30 Oxford Street. Grass fire.

Monday, June 15, 656 A. M. Box 162.

No. 7 Willard Street. Owned and occupied by James E. Breslin as shed. Loss, $10. Insurance, $200. Cause, hot ashes in barrel outside of building.

Monday, June 15, 11.00 A. M. Still.

Raymond Street dump.

Tuesday, June 16, 8.40 A. M. Box 41.

No. 90 Pleasant Street. Owned by Charles P. Keith. No loss. Occupied by G. R. Alexander as dwelling. Loss, trifling. Cause, oil stove took fire.

Wednesday, June 17, 12.40 A. M. Still.

New Street. Owned by City of Cambridge as unoccupied dwelling. No loss. Cause, incendiary.

Wednesday, June 17, 2.56 A. M.

False alarm.

Wednesday, June 17, 3.10 A. M.

False alarm.

Wednesday, June 17, 12.30 P. M. Still.

Auburn Street. Owned and occupied by F. O. White as stable. Loss trifling. Cause, fire on dump ignited building.

Wednesday, June 17, 12.45 P. M. Still.

Cambridge Street. Owned by Michael J. Harty. Loss, $155. Insurance, $16,000. Occupied by several families as dwelling. Loss trifling. Cause, children set fire to rubbish in yard, igniting building.

Wednesday, June 17, 1.47 P. M. Box 17.

No. 535 Main Street. Owned by Rogers Estate. Loss trifling. Occupied by E. C. Gove. Loss, $15. Insurance, $1,000. Cause, firecrackers set fire to awning.

Wednesday, June 17, 9.03 P. M. Box 215.

Dump fire on Portland Street.

Thursday, June 18, 11.17 A. M. Box 73.

No. 277 Rindge Avenue. Owned by Ellen Danehy. No loss. Occupied by George F. La Croix as broom factory. Loss trifling. Cause, gasoline engine set afire by sparks.

Thursday, June 18, 4.34 P. M. Box 48.

Rear 110 Inman Street. Owned and occupied by Horace Gibbs as stable. Loss, $300. Insurance, $550. Originated on first floor. Cause unknown.

Friday, June 19, 1.33 A. M. Box 123.

No. 226 Bridge Street. Owned by John Canty. No loss. Occupied by Michael Sheehan as dwelling. No loss. Cause, careless smoking in bed.

Friday, June 19, 9.13 P. M. Box 52.

No. 58 Putnam Avenue. Owned and occupied by Harry Thake as dwelling. Loss, trifling. Cause, candle set fire to curtain.

Sunday, June 21, 10.33 P. M. Box 17.

No. 22 Hastings Street. Owned by J. A. McIsaacs as wood shed. Loss, $400. Insurance, $2,000. Cause, children with matches. No. 26 Hastings Street. Owned by Frank Bertolani as unoccupied dwelling. Loss, $200. Insurance, $2,000. Cause, exposure from No. 22.

Monday, June 22, 8.29 A. M. Box 27.

No. 94 Clark Street. Owned by George Miller. No loss. Cause, children set fire to rubbish in yard.

Wednesday, June 24, 1.48 P. M. Box 152.

No. 1230 Massachusetts Avenue. Owned by University Associates. Loss, $175. Insurance, $32,000. Occupied by Harvard Auto Co. No loss. Cause, gasoline ignited by cigar.

Wednesday, June 24, 5.04 P. M. Box 126.

No. 27 School Street. Owned by E. D. Brooks. No loss. Occupied by Felix Baldach as dwelling. No fire. Cause, smoke from stove.

Thursday, June 25, 6.05 P. M. Still.

No. 11 Springfield Street. Owned by Mrs. Quain as dwelling. Loss trifling. Cause, fire set by children outside of house.

Friday, June 26, 11.50 A. M. Box 71.

No. 2480 Massachusetts Avenue. Grass fire.

Saturday, June 27, 8.28 P. M. Box 25.

No. 805 Main Street. Owned by William Davis. Loss, $944. Insurance, $4,000. Occupied by Charles Freedman as furniture store. Loss, $1,000. Insurance, $1,200. Occupied by M. Brown as dwelling. Loss, $335. Insurance, $500. Occupied by M. Brown, No. 803, as dry goods store. Loss, $400. Insurance, $800. Fire originated in furniture store. Cause unknown.

Saturday, June 27, 8.30 P. M. Box 26.

Alarm for same fire as from Box 25.

Sunday, June 28, 11.00 P. M. Box 134.

No. 1228 Cambridge Street. Owned by John Welch. Loss, $25. Insurance, $15,000. Occupied by Louis Moderno as dwelling. Loss, trifling. Cause, gas stove ignited woodwork.

Tuesday, June 30, 9.02 P. M. Box 10.

Binney Street, near First Street. Shed on dump set afire by boys.

JULY.

Friday, July 3, 2.10 A. M. Box 131.

No. 48 Warren Street. Owned by Austin Guglielmo. No loss. Occupied by Benjamin Mills as dwelling. Loss trifling. Cause, tobacco pipe afire in coat pocket.

Friday, July 3, 10.37 A. M. Box 134.

No. 1196 Cambridge Street. Owned by Mrs. Daley. No fire. Occupied by J. Sullivan as dwelling. Cause, smoke from stove.

Friday, July 3, 7.15 P. M. Still.

Dump fire on Blanche Street.

Saturday, July 4, 12.30 A. M. Box 17.

No. 21 Burleigh Street. Owned and occupied by A. Grosman as junk shop. Loss, trifling. Cause, building ignited by firecrackers.

Saturday, July 4, 1.15 A. M. Still.

No. 395 Franklin Street. Fire in street set by boys.

Saturday, July 4, 2.59 A. M. Box 137.

Fire on Dodge Street set by boys.

Saturday, July 4, 12.40 P. M. Still.

No. 783 Main Street. Owned by D. C. Pike. Loss trifling. Awning set on fire by firecrackers.

Saturday, July 4, 1.09 P. M. Box 27.

No. 234 Broadway. Owned and occupied by Herman Meyer as dwelling. Loss trifling. Cause, firecrackers on roof.

Saturday, July 4, 10.10 P. M. Still.

No. 303 River Street. Owned by John F. O'Brien as unoccupied dwelling. Loss trifling. Cause, rubbish in water closet set afire by boys.

Sunday, July 5, 11.02 A. M. Box 23.

No. 125 Pearl Street. Owned by Charles Gordon. Loss, $35. Insurance, $2,500. Occupied by James E. Corcoran as dwelling. Loss, $55. Insurance, $1,000. Cause, child set fire to lounge.

Monday, July 6, 8.33 A. M. Box 8.

No. 21 Thorndike Street. Owned by Irvin & Casson. Loss trifling. Occupied by Joseph Josephs Bros. as storage. Loss, $390. Insurance, $390.54. Insurance, $50,000. Originated in bales of cotton waste. Cause, spontaneous.

Monday, July 6, 5.46 P. M. Box 59.

No. 21 Boylston Street. Owned by Edward H. Abbott. Loss, $437. Insurance, $2,000. Occupied by Frank Howward as florist. Loss, $500. Insurance, $1,000. Cause unknown. Originated behind refrigerator.

Monday, July 6, 10.10 P. M. Still.

Electric car afire on Prospect Street.

Tuesday, July 7, 8.30 A. M. Still.

Massachusetts Avenue. Owned by University Association. No fire. Cause, smoke from burning rubbish in furnace.

Tuesday, July 7, 9.32 A. M. Still.

No. 5 Riverview Avenue. Owned by University Association. Loss, trifling. Occupied by Alex. Brewington as dwelling. Loss, trifling. Cause, child set fire to curtain.

Thursday, July 9, 5.30 P. M. Still.

Grass fire on Magazine Street.

Friday, July 10, 1.24 A. M. Box 437.

No. 141 First Street. Owned by Charles Van Buskirk. Loss, $4,700. Insurance, $5,000. Occupied by Charles Van Buskirk as carriage factory. Loss, $2,702. Insurance, $3,000. Cause, oily waste around engine on first floor.

Friday, July 10, 1.26 A. M. Box 8.

Alarm for same fire as from Box 437.

Friday, July 10, 1.28 A. M. Box 412.

Alarm for same fire as from Box 437.

Friday, July 10, 4.16 P. M. Box 17.

No. 11 Burleigh Street. Owned by Rogers Estate. No fire. Cause, smoke from stove.

Saturday, July 11, 1.30 A. M. Still.

No. 22 Park Street. Owned by A. P. Morse heirs. Loss, $15. Insurance, $2,000. Occupied by Isaac Pike as dwelling. Loss, $70. Insurance, $500. Cause, tobacco pipe in coat pocket ignited clothing.

Saturday, July 11, 11.46 P. M. Box 17.

No. 525 Main Street. Owned by Rogers Estate. Loss trifling. Occupied by J. Kammesity. Loss trifling. Cause, overturned lamp.

Sunday, July 12, 10.29 A. M. Box 17.

No. 535 Main Street. Owned by E. C. Gove. Loss trifling. Cause, fire thrown on to awning.

Sunday, July 12, 12.19 P. M. Box 57.

Grass fire on Hammond Street.

Sunday, July 12, 8.05 P. M. Box 149.

No. 44 Baldwin Street. Owned by Eugene Gormly. No loss. Occupied by Fred Bulger as dwelling. Loss trifling. Cause, child set fire to curtain.

Sunday, July 12, 11.45 P. M. Still.

No. 235 Columbia Street. Owned by M. McFarland. No loss. Occupied by J. W. Condon as dwelling. No loss. Cause, towel ignited by lamp in sink room.

Monday, July 13, 10.40 A. M. Still.

No. 107 Armory Street. Owned by M. A. Parrent. No loss. Occupied by Margaret Stewart as dwelling. No loss. Cause, child dropped match in wood box.

Monday, July 13, 8.30 P. M. Box 32.

No. 211 Elm Street. Owned by Mary J. Madden. No loss. Occupied by James Murray as dwelling. Loss trifling. Cause, boy set fire to curtain.

Wednesday, July 15, 11.41 P. M. Box 39.

Grass fire on Glenwood Avenue.

Wednesday, July 15, 8.15 P. M. Box 26.

No. 10 Holly Street. Owned by Brooks Estate. Loss trifling. Occupied by Martin Pispici as dwelling. Loss, trifling. Cause, child set fire to curtain.

Thursday, July 16, 9.45 A. M. Still.

No. 283 Portland Street. Owned by L. Sandler. Loss, $10. Insurance, $10,000. Occupied by Samuel Grass. Loss, $10. Insurance, $15. Cause, fire on awning.

Thursday, July 16, 12.10 P. M. Still.

Billboard on Amherst Street. Set afire by boys.

Friday, July 17, 6.55 A. M. Still.

No. 582 Massachusetts Avenue. Owned by Phillips Brothers. No loss. Occupied by H. Burlen as restaurant. No loss. Cause, kettle of fat on stove took fire.

Friday, July 17, 10.45 P. M.

Accidental automatic from National Biscuit Co.

Sunday, July 19, 12.47 A. M. Box 271.

Dudley Street. Owned and occupied by City of Cambridge as school house. Loss, $300. Not insured. Cause, struck by lightning.

Sunday, July 19, 12.49 A. M. Box 131.

No. 1 Jefferson Street. Owned by Dominick Arganzio. Loss, $149.50. Insurance, $2,500. Occupied by Andrew Popoli as grocery store. Loss, $45. Insurance, $1,000. Cause, careless throwing match in box in cellar.

Sunday, July 19, 8.02 P. M. Box 31.

No. 21 Harding Street. Owned by Hugh McGurk heirs. No loss. Occupied by John Driscoll as grocery store. Loss, trifling. Cause, upsetting oil lamp.

Monday, July 20, 2.43 A. M. Box 71.

No. 2457 Massachusetts Avenue. Owned by Roy C. Hamilton. Loss, $150. Insurance, $700. Occupied by Roy C. Hamilton as lunch room. Loss, $100. Insurance, $100. Cause, defect in gas pipe set fire to woodwork.

Thursday, July 23, 9.06 P. M. Box 31.

No. 133 Willow Street. Owned by Thomas McHolland. No loss. Occupied by Patrick Kelleher as dwelling. Loss trifling. Cause, lamp dropped on floor and broken.

Saturday, July 25, 7.58 P. M. Box 126.

Washington Street. Owned by Mr. Harlan as unoccupied dwelling. No loss. Cause, barrel of lime in cellar became wet, making steam.

Sunday, July 26, 12.15 P. M. Box 134.

No. 397 Norfolk Street. Owned by John Curley as dwelling. No loss. Cause, soot in chimney.

Sunday, July 26, 4.59 P. M. Box 26.

No. 690 Main Street. Owned by Endicotte Estate. Loss, $2,960. Insurance, $8,700. Occupied by C. E. Cook as stool factory. Loss, $9,000. Insurance, $12,000. Cause unknown. Originated on second floor.

Monday, July 27, 5.35 P. M. Box 131.

No. 713 Cambridge Street. Owned by Michael Ryan. Loss, trifling. Occupied by Ben. Rooshcofsky as dwelling. Loss, trifling. Cause, child set fire to curtain.

AUGUST.

Saturday, August 1, 7.45 P. M. Still.

River Street. Owned and occupied by Boston Elevated R. R. as car barn. Loss trifling. Cause, oily waste on floor.

Sunday, August 2, 8.24 A. M. Box 153.

No. 72 De Wolfe Street. Owned by Catherine Peirce. Loss trifling. Occupied by Joseph McLatchy as dwelling. Loss, $75. Not insured. Cause, candle set fire to clothes in closet.

Monday, August 3, 6.15 P. M. Still.

Fence set afire by boys on Pacific Street. Loss trifling.

Tuesday, August 11, 5.50 P. M. Still.

No. 7 Chapman Place. Owned by Moore & Hadley. No fire. Occupied by John S. McLean as dwelling. Cause, smoke from stove.

Tuesday, August 11, 11.34 P. M. Box 271.

No. 5 Wilber Street. Owned by P. J. Sughrue. Loss, $110. Insurance, $1,500. Occupied by P. J. Sughrue as dwelling. Loss, $131. Insurance, $500. Cause, overturned lamp on bed.

Tuesday, August 11, 11.34 P. M. Box 721.

Alarm for same fire as from Box 271.

Wednesday, August 12, 12.43 P. M. Box 36.

No. 16 Pleasant Street. Owned by North American Asso. Corp. Loss, $625. Insurance, $2,500. Occupied by Frank L. Jones as dwelling and shop. Loss, $322. Insurance, $1,800. Fire originated in shop. Cause unknown.

No. 14 Pleasant Street. Owned and occupied by Frank Cox as dwelling. Loss, $25. Insurance, $3,000. Cause, exposure from No. 16 Pleasant Street.

No. 19 Western Avenue. Owned and occupied by S. J. Kelly as carpenter shop. Loss, $700. Not insured. Cause, exposure from No. 16 Pleasant Street.

Friday, August 14, 10.19 A. M. Box 23.

No. 74 Pearl Street. Owned and occupied by E. L. Currier as dwelling. Loss, $15. Insurance, $2,000. Cause, rubbish in barrel outside building set afire by children.

Friday, August 14, 10.59 P. M. Box 26.

No. 667 Main Street. Owned by Jennie Tobin on awning. Loss. $10. Not insured. Cause, cigar thrown from window.

Saturday, August 15, 10.32 P. M. Box 34.

Rear No. 250 Columbia Street. Owned by Butler-Wilson. No loss. Occupied by Ida White as dwelling. Loss, $9. Not insured. Cause, overturned lamp.

Monday, August 17, 5.45 A. M. Box 25.

No. 867 Main Street. Owned by Phillips Brothers. No loss. Cause, soot in chimney.

Tuesday, August 18, 1.13 A. M. Box 24.

No. 101 Brookline Street. Owned by G. O. Creele as dwelling. Cause, soot in chimney.

Tuesday, August 18, 7.18 P. M. Box 137.

Western Avenue. Owned by Standard Cordage Co. Loss, trifling. Cause, wagon load of hemp set afire by boys.

Friday, August 21, 9.55 A. M. Box 41.

No. 136 Pleasant Street. Owned by Philip Carter. Loss trifling. Occupied by Alfred Roberts as dwelling. Loss trifling. Cause, oil stove took fire.

Friday, August 21, 11.23 P. M. Box 49.

Cause, stump of tree on vacant land set afire by boys.

Saturday, August 22, 1.38 A. M. Box 116.

No. 11 Broadway. Owned by Beckett heirs. Loss, $68. Insurance, $3,000. Occupied by Wm. Danahy as grocery store. Loss, $50. Insurance, $1,000. Cause, rats and matches in rubbish.

Sunday, August 23, 7.30 P. M. Still.

No. 190 Albany Street. Owned and occupied by National Biscuit Co. as bakery. Cause, smoke mistaken for fire.

Monday, August 31, 9.26 A. M. Box 126.

No. 68 Cherry Street. Owned by Lucy Sagerquist. No loss. Occupied by Lars Ekstrom as dwelling. Loss trifling. Cause, oil stove took fire.

Monday, August 31, 1.26 P. M. Box 16.

Deacon Street. Owned and occupied by Cambridge Architectural Iron Works. Loss, $2,000. Not insured. Occupied by Joseph Miller, manager. Loss, $1,500. Insurance, $2,000. Cause, explosion of gasoline.

Monday, August 31, 1.28 P. M. Box 116.

Alarm for same fire as from Box 16.

SEPTEMBER.

Tuesday, September 1, 2.32 P. M. Box 78.

New Street. Owned by City of Cambridge as unoccupied pest hospital. Building burned by request of the Board of Health.

Thursday, September 3, 1.29 A. M. Box 57.

No. 65 Hammond Street. Owned by John A. Johnson. Loss, $160. Insurance, $6,000. Occupied by John A. Johnson as dwelling. Loss, $300 Insurance, $2,000. Cause, incendiary.

Saturday, September 5, 1.10 P. M. Box 12.

No. 6 Stevens Court. Owned by J. Dorgan as unoccupied shed. Loss trifling. Cause, set afire by boys.

Saturday, September 5, 3.00 P. M. Still.

No. 1896 Massachusetts Avenue. Owned by H. C. Rand. Loss, trifling. Occupied by William Haley as plumber. No loss. Cause, defect in gas pipe ignited woodwork.

Saturday, September 5, 9.50 P. M. Still.

No. 248 Prospect Street. Owned by J. W. Moore as dwelling. Loss trifling. Cause, fire under ell of house set by boys.

Monday, September 7, 12.32 A. M. Box 48.

No. 1306 Cambridge Street. Owned by Simon Fishman. Loss, $214. Insurance, $4,000. Occupied by Benjamin S. Given as bicycle repairing. Loss, $100. Insurance, $500. Cause, incendiary.

Monday, September 7, 8.30 A. M. Box 35.

No. 40 Essex Street. Owned and occupied by F. A. Hopkins as dwelling. Cause, defect in chimney.

Monday, September 7, 5.59 P. M. Box 7.

No. 42 Bridge Street. Owned and occupied by Chas. Linehan as wagon shed. Loss trifling. Cause, boys playing with matches set fire to straw.

Tuesday, September 8, 4.50 P. M. Still.

Dump fire in Lansdowne Street.

Tuesday, September 8, 4.40 P. M. Still.

No. 735 Main Street. Owned by H. T. McNamee. No loss. Occupied by O. Lee as laundry. No loss. Cause, rats and matches set fire to rubbish in cellar.

Wednesday, September 9, 4.45 P. M. Box 341.

No. 149 Cherry Street. Owned and occupied by T. G. Wiseman as dwelling. Loss trifling. Cause, tobacco pipe set fire in pocket of coat.

Wednesday, September 9, 5.30 P. M. Still.

Dirt fire on Craigie Street Bridge.

Thursday, September 10, 9.07 P. M. Box 271.

No. 10 Cameron Street. Owned by C. A. Mason. Loss, $50. Insurance, $400. Occupied by Stephen Coppi as grocery. Loss, $292.72. Insurance, $1,000. Cause, lamp exploded.

Friday, September 11, 2.23 A. M. Box 10.

First Street. Owned by John T. Scully as tool shed. Loss trifling. Cause, incendiary. Fire set outside.

Friday, September 11, 6.26 P. M. Box 145.

No. 493 Franklin Street. Owned by Margaret O'Connell. Occupied by M. J. Whalen. No fire. Cause, smoke from stove.

Friday, September 11, 8.03 P. M. Box 15.

No. 241 Vine Street. Owned and occupied by Jeremiah Crowley as dwelling. No loss. Cause, careless dropping match in cellar.

Sunday, September 13, 7.13 P. M. Box 8.

No. 34 Spring Street. Owned by J. Ahearn. Loss trifling. Occupied by T. Fardinand as dwelling. Loss, trifling. Cause, hanging lamp fell to floor.

Sunday, September 13, 7.15 P. M. Box 113.

Alarm for same fire as from Box 8.

Tuesday, September 15, 9.55 A. M. Still.

No. 2 Hampshire Street. Owned by John McFarland. No loss. Occupied by Margaret Lyden as dwelling. Loss trifling. Cause, child playing with matches set fire to clothes and fatally burned.

Wednesday, September 16, 11.26 A. M. Box 32.

No. 418 Columbia Street. Owned by J. P. Squire Est. Occupied by Martin Forbes as dwelling. No loss. Cause, pan of fat on stove.

Thursday, September 17, 10.22 A. M. Box 24.

No. 28 Valentine Street. Owned by Charles Moore. Loss, $180. Insurance, $2,500. Occupied by Joseph J. Avery as dwelling. Loss, $351.90. Insurance, $1,000. Cause, sparks from stove set fire to furniture.

Thursday, September 17, 7.29 P. M. Box 131.

No. 15 Ninth Street. Owned by Charles Linehan. No loss. Occupied by Dennis Coleman as dwelling. Cause, smoke from stove.

Friday, September 18, 5.01 A. M. Box 13.

No. 262 Bridge Street. Owned and occupied by Iron & Steel Co. as storage for paints. Loss trifling. Cause, spontaneous oil and paint.

Friday, September 18, 11.49 A. M. Box 234.

False alarm.

Saturday, September 19, 5.05 P. M. Still.

No. 265 Portland Street. Owned by Mary Barrett. Loss trifling. Occupied by Joseph Pastuer as dwelling. Loss trifling. Cause, oil lamp exploded.

Monday, September 21, 12.25 P. M. Still.

Dump fire on Blanche Street.

Monday, September 21, 2.45 P. M. Still.

Raymond Street. Owned and occupied by City of Cambridge as paint shop. Loss trifling. Cause, sparks from dump on roof.

Tuesday, September 22, 12.24 A. M. Box 215.

No. 172. Thorndike Street. Owned by John McDonald. Loss, $1,800. Insurance, $10,000. Occupied by Antony Bicchieri as macaroni factory. Loss, $2,000. Insurance, $5,800. Cause unknown.

No. 168 Thorndike Street. Owned and occupied by H. M. Doody as dwelling. Loss, $25. Insurance, $1,000. Cause, explosion from fire in No. 172.

Tuesday, September 22, 11.17 A. M. Box 32.

No. 432 Windsor Street. Owned by Phillip Nelligan. Loss, $75. Insurance, $3,500. Occupied by James Cody as dwelling. Loss, $77. Insurance, $1,000. Cause, child set fire to curtain.

Thursday, September 24, 10.30 P. M. Still.

No. 21 Brattle Street. Owned by E. R. Sage as awning. Loss, $40. Insurance, $200. No. 23 Brattle street. Owned by Worcester Brothers as awning. Loss, $25. Insurance, $25. Cause, fire dropped on awning from window.

Friday, September 25, 11.57 A. M. Box 271.

Elmwood Street. Owned by George E. Percy. Loss, $1,500. Insurance, $1,500. Occupied by Ideal Comb Co. as comb factory. Loss, $3,700. Insurance, $4,300. Cause, spark ignited celluloid causing explosion. No. 26 Cameron Street. Owned by Charles Callahan Estate as dwelling. Loss, $50. Insurance, $3,500. Cause, exposure. No. 22 Cameron Street. Owned by Daniel Stewart as dwelling. Loss, $50. Insurance, $2,000. Cause, exposure. No. 24 Cameron Street. Owned by Charles Callahan Estate. Loss, $788.51. Insurance, $1,500. Occupied by T. F. Bowser as dwelling. Loss, $277. Insurance, $500. Occupied by N. Mulcahy as dwelling. Loss, $300. Insurance, $500. Cause, exposure.

Friday, September 25, 7.00 P. M. Still.

Main Street. Owned and occupied by City of Cambridge as incinerator. Cause, rubbish on floor. No damage.

Saturday, September 26, 5.35 P. M. Still.

Rubbish fire on State Street.

Saturday, September 26, 2.59 P. M. Box 175.

No. 24 Hubbard Avenue. Owned by Harry Seagrave. Loss, $1.300. Insurance, $2,000. Occupied by Frank Howard as dwelling. Loss, $500. Not insured. Occupied by Edward Foster as dwelling. Loss, $500. Not insured. Cause, child with matches set fire to couch.

Monday, September 28, 9.00 A. M. Still.

Rubbish on floor in exposition building. No damage.

Tuesday, September 29, 10.05 P. M. Still.

Grass fire on Captain's Island.

Wednesday, September 30, 2.30 A. M. Box 34.

No. 52 Lincoln Street. Owned by Frank Barbor. Loss, $30. Insurance, $1,000. Occupied by Carrie Foster as dwelling. Loss, $23. Insurance, $1,000. Cause, mice and matches in clothes closet.

OCTOBER.

Thursday, October 1, 5.19 P. M. Box 46.

No. 885 Massachusetts Avenue. Owned by Henry Emerson, Agent. No loss. Occupied by several families as dwelling. No fire. Cause, smoke from chimney.

Saturday, October 3, 8.54 A. M. Box 168.

No. 50 Pemberton Street. Owned and occupied by Margaret Dow as dwelling. Loss, $45. Insurance, $3,000. Cause, sparks from chimney on roof.

Saturday, October 3, 10.23 A. M. Box 31.

No. 793 Cambridge Street. Owned by V. Grover. Loss trifling. Occupied by John J. Burrell as dwelling. Loss, $50. Insurance, $500. Cause, children set fire to bed.

Saturday, October 3, 6.42 P. M. Box 36.

Automobile afire on Prospect Street.

Saturday, October 3, 6.47 P. M. Box 73.

No. 257 Rindge Avenue. Owned by Catherine Lonergan. Loss, $250. Insurance, $1,000. Occupied by Catherine Lonergan as dwelling. Loss, $150. Not insured. Cause, incendiary.

Saturday, October 3, 6.49 P. M. Box 114.

No. 165 Gove Street. Owned and occupied by John P. Squire Est. as smoking ovens. Loss, $3,352.30. Insurance, $3,352.30. Cause, hams and bacon took fire in ovens.

Sunday, October 4, 2.00 P. M. Still.

No. 853 Main Street. Fiske building. No damage. Cause, fire in ash pit under heater.

Monday, October 5, 6.21 P. M. Box 112.

B. & M. R. R. yard. Cause, pile of lumber set afire by boys.

Monday, October 5, 6.37 P. M. Box 131.

No. 726 Cambridge Street. Owned by Lena Grossman. Loss, $15. Insurance, $2,500. Occupied by Lena Grossman as dry goods. Loss, $147.13. Insurance, $1,500. Cause, gas light set fire to cotton.

Tuesday, October 6, 6.40 A. M. Still.

B. & M. R. R. yard. Cause, pile of lumber set afire by boys.

Tuesday, October 6, 10.14 A. M. Box 139.

No. 2 Allston Street. Owned by Carrie Utley. Loss, $25. Insurance, $1,200. Occupied by F. E. Robbins as dwelling. Loss, $30. Insurance, $800. Cause, can of paint on stove.

Tuesday, October 6, 7.36 P. M. Box 112.

East Street. B. & M. R. R. yard. Cause, pile of ties set afire by boys.

Wednesday, October 7, 2.11 A. M. Box 8.

No. 78 First Street. Owned by John T. Scully. Loss, $900. Insurance, $1,400. Occupied by Harry Butler & Co. as brass refinery. Loss, $1,450. Insurance, $3,000. Cause, defect in electric light wires.

Wednesday, October 7, 2.15 A. M. Box 811.

Alarm for same fire as from Box 8.

Wednesday, October 7, 6.16 P. M. Box 18.

Cor. Albany and Massachusetts Avenue. Owned by Alexander Robertson as unoccupied lunch car. Loss, trifling. Cause, set afire by boys.

Thursday, October 8, 6.40 A. M. Box 8.

No. 78 First Street. Cause, rekindling of fire at brass refinery.

Saturday, October 10, 11.27 A. M. Box 94.

Grass fire on Bird Street.

Saturday, October 10, 9.12 P. M. Box 439.

No. 78 Sidney Street. Owned and occupied by Severns Co. as factory. No loss. Cause, shellac took fire from lantern.

Monday, October 12, 6.35 P. M. Still.

No. 28 Warren Street. Owned and occupied by Mary Brennan as dwelling. No loss. Cause, soot in chimney.

Monday, October 12, 7.20 P. M. Still.

No. 244 Sixth Street. Owned by Bird Est. No loss. Occupied by G. W. Hayden as brass foundry. Loss, $15. Insurance, $800. Cause, hot sand set fire to mould.

Wednesday, October 14, 5.10 P. M. Box 15.

Boys set fire to rubbish on Vine Street.

Wednesday, October 14, 7.36 P. M. Box 112.

Tree on fire on East Street.

Thursday, October 15, 11.15 A. M. Still.

Dump fire on Rindge Avenue.

Thursday, October 15, 5.07 P. M. Box 681.

No. 1973 Massachusetts Avenue. Owned by Frank Ivers. Loss, $900. Insurance, $4,000. Occupied by Charles Leach as paint shop. Loss, $224. Insurance, $900. Cause, careless spark from match dropped into can of japan.

Friday, October 16, 7.08 P. M. Box 32.

No. 1007 Cambridge Street. Owned by Louis Ruben. No loss. Occupied by Joseph Halpin as paint shop. Loss trifling. Cause, match dropped in paint.

Saturday, October 17, 6.07 A. M. Box 26.

No. 2 Holly Avenue. Owned by Brooks Estate. Loss, trifling. Occupied by Martin Folen as dwelling. Loss trifling. Cause, candle ignited clothes in closet.

Saturday, October 17, 12.30 A. M. Still.

No 824 Somerville Avenue. Owned by S. F. Woodbridge Est. No loss. Occupied by Carl Loges as paint shop. No loss. Cause, oily rags.

Saturday, October 17, 2.45 P. M. Still.

Grass fire on Concord Avenue.

Sunday, October 18, 12.30 A. M. Still.

Main Street. Owned and occupied by Wm. H. Wood as storage shed. Loss trifling. Cause, supposed set afire by tramps.

Sunday, October 18, 12.10 P. M. Still.

Grass fire on Harvey Street.

Sunday, October 18, 2.15 P. M. Still.

Near Warren Street. Owned by B. & A. R. R. Cause, car set afire by boys. Loss trifling.

Sunday, October 18, 4.30 P. M. Still.

No. 157 Elm Street. Owned by John Kelly as dwelling. Loss, $135. Insurance, $2,500. Cause, overheated chimney.

Sunday, October 18, 8.33 P. M. Box 112.

East Street. B. & M. R. R. yard. Cause, ties set afire by boys.

Monday, October 19, 11.58 A. M. Box 54.

Harvard College yard. Owned by Harvard College Corp. Cause, ammonia leaking from tank.

Tuesday, October 20, 3.45 A. M. Box 113.

Second Street. Owned by Irvin & Casson. No loss. Occupied by Cobb, Eastman Co., as boiler room. No loss. Cause, oily waste.

Tuesday, October 20, 3.47 A. M. Box 8.

Alarm for same fire as from Box 113.

Tuesday, October 20, 5.15 P. M. Still.

Brush fire on Magazine Street.

Tuesday, October 20, 5.57 P. M. Box 31.

No. 843 Cambridge Street. Owned by Michael Hoban as dwelling. No loss. Cause, soot in chimney.

Wednesday, October 21, 8.10 A. M. Still.

No. 823 Main Street. Owned by Charlotte Fisk. Loss, trifling. Occupied by Henry Moulton as plumber shop. Loss, $48. Insurance, $500.

Thursday, October 22, 9.35 A. M. Still.

No. 123 Inman Street. Owned by James T. Hall. Loss, $25. Insurance, $3,000. Occupied by James T. Hall as dwelling. Loss, $37.50. Insurance, $1,000. Cause, child set fire to curtain.

Friday, October 23, 11.50 A. M. Box 35.

No. 1 Norfolk Street. Owned by W. F. Gilbert. Loss, $20. Insurance, $1,000. Occupied by Carl Anderson as dwelling. Loss, $60. Insurance, $500. Cause, child set fire to bed.

Friday, October 23, 12.55 P. M. Box 17.

No. 121 Washington Street. Owned by Andrew Olsen. No loss. Occupied by Anna Plummer as dwelling. Loss, trifling. Cause, oil stove took fire.

Friday, October 23, 2.45 P. M. Still.

No. 20 Oxford Street. Owned by Harvard University. No loss. Occupied by F. M. Crothers as dwelling. No loss. Cause, careless dropping match in rubbish in cellar.

Friday, October 23, 7.50 P. M. Box 32.

Alarm given for fire in Somerville.

Friday, October 23, 10.33 P. M. Box 234.

No. 248 Prospect Street. Cause, ash barrel in yard took fire. No damage.

Monday, October 26, 11.10 A. M. Still.

No. 41 Harvey Street. Owned by No. Cambridge Savings Bank as dwelling. No loss. Cause, soot in chimney.

Tuesday, October 27, 8.30 A. M. Still.

No. 71 Boylston Street. Owned by John Riley as lunch car. Loss, trifling. Cause, hot ashes under floor.

Tuesday, October 27, 9.05 A. M. Box 149.

No. 19 Myrtle Avenue. Owned and occupied by Caroline Weiland as dwelling. Loss, $10. Insurance, $1,600. Cause, towels behind stove took fire.

Wednesday, October 28, 2.05 P. M. Box 271.

No. 14 Dudley Street. Owned by Richard Groogan. Loss, trifling. Occupied by Frank Gunn as dwelling. Loss, $50. Not insured. Cause, child set fire to bed.

Thursday, October 29, 3.53 P. M. Box 34.

False alarm.

Thursday, October 29, 4.15 P. M. Still.

Accidental automatic alarm from Shaw Brothers.

Friday, October 30, 12.31 A. M. Box 29.

No. 55 Plymouth Street. Owned by Julius Feinberg. Loss, $1,052. Insurance, $17,000. Occupied by Barney Isenstadt as grocery. Loss, $875. Insurance, $1,500. Occupied by Julius Feinberg as dwelling. Loss, $60. Insurance, $500. No. 109 Webster Avenue, occupied by Mabel Duncan as dry goods. Loss, $248. Insurance, $500. Originated in grocery store. Cause, rats and matches.

Friday, October 30, 12.34 A. M. Box 32.

Alarm for same fire as from Box 29.

Saturday, October 31, 12.20 P. M. Still.

No. 13 Brattle Street. Occupied by James De Lusa. No fire. Cause, smoke from stove.

NOVEMBER.

Sunday, November 1, 12.15 A. M. Box 131.

No. 697 Cambridge Street. Owned by Barney Rothstein. Loss, $100.50. Insurance, $6,000. Occupied by Marshall Leventhal as grocery. Loss, $181. Insurance, $1,500. Cause, mice and matches.

Sunday, November 1, 8.00 A. M. Still.

No. 9 Fayerweather Street. Owned by R. T. Jackson. No loss. Occupied by R. T. Jackson as dwelling. No loss. Cause, soot in chimney.

Sunday, November 1, 10.35 A. M. Box 711.

Accidental alarm from American Circular Loom Co.

Sunday, November 1, 11.38 A. M. Box 94.

No. 6 Ericson Street. Fire in Belmont.

Sunday, November 1, 1.05 P. M. Still.

Near Huron Avenue. Trees set afire by locomotive.

Sunday, November 1, 7.45 P. M. Still.

No. 47 Regent Street. Occupied by William Montgomery as dwelling. Cause, soot in chimney. No loss.

Tuesday, November 3, 2.17 P. M. Box 51.

No. 1697 Cambridge Street. Owned by Sarah B. Cutler. Loss, $82. Insurance, $2,000. Occupied by Ovid La Flur as dwelling. Loss, $103. Insurance, $500. Cause, snap-match set fire to bed.

Tuesday, November 3, 4.45 P. M. Box 17.

No. 102 Harvard Street. Owned by Doherty Estate. Loss, trifling. Occupied by Lottie Trudup as dwelling. No loss. Cause, careless dropping match in waste paper.

Wednesday, November 4, 2.09 A. M. Box 29.

No. 243 Broadway. Owned by George Close Co. Loss, $2,000. Insurance, $14,000. Occupied by George Close Co. as candy factory. Loss, $1,165. Insurance, $26,000. Cause, rats and matches. Originated on fourth floor.

Wednesday, November 4, 2.01 P. M. Box 49.

Baldwin Street. Owned by Boston Elevated R. R. as shed. Loss, trifling. Cause, set afire by boys.

Wednesday, November 4, 7.14 P. M. Box 114.

No. 6 Squires Court. Owned by J. P. Squires Est. Loss, trifling. Occupied by P. A. Daly as dwelling. Loss, trifling. Cause, lamp dropped and broken.

Wednesday, November 4, 8.00 P. M. Still.

No. 1716 Cambridge Street. Owned by Fred C. Becker. Loss, $90. Insurance, $7500. Occupied by Fred C. Becker as dwelling. Loss, $100. Insurance, $3,500. Cause, cigarette thrown into waste basket.

Wednesday, November 4, 8.58 P. M. Box 271.

No. 32 Frank Street. Owned by Elizabeth Ryan as dwelling. No loss. Cause, soot in chimney.

Wednesday, November 4, 9.37 P. M. Box 71.

Packing cases in field on Whittemore Avenue set afire by boys.

Thursday, November 5, 8.33 A. M. Box 46.

No. 411 Franklin Street. Owned by Edward Moore as dwelling. Loss, $37. Insurance, $800. Cause, sparks from chimney on roof.

Thursday, November 5, 8.35 A. M. Box 45.

Alarm for same fire as from Box 46.

Thursday, November 5, 1.06 P. M. Box 13.

Otis Street. Owned and occupied by Saint Hedwick Church Society. Loss, $150. Insurance, $10,000. Cause, overheated furnace in basement.

Friday, November 6, 7.10 P. M. Still.

City dump on River Street.

Saturday, November 7, 2.02 A. M. Box 32.

No. 1005 Cambridge Street. Owned by Louis Ruben. Loss, $375. Insurance, $8,000. Occupied by Samuel Halpin as dining room. Loss, $400. Insurance, $1,000. Cause, unknown.

Saturday, November 7, 2.20 A. M. Box 16.

No. 13 Jordan Place. Owned by Carrie Feinstein as dwelling. No loss. Cause, meat burning on stove.

Sunday, November 8, 11.30 A. M. Still.

Shuman Street. Owned by N. E. Brick Co. as unoccupied dwelling. No loss. Cause, set afire by boys.

Tuesday, November 10, 6.00 A. M. Still.

Near Massachusetts Avenue on B. & M. R. R. Cause, freight car set afire by boys.

Tuesday, November 10, 12.23 P. M. Box 425.

No. 32 Brookline Street. Owned by James Wallace. Loss, $45. Insurance, $4,500. Occupied by Albert H. Belliveau as dwelling. Loss, $40. Insurance, $1,000. Cause, child set fire to clothes in closet.

Wednesday, November 11, 9.15 A. M. Still.

No. 730 Massachusetts Avenue. Owned and occupied by J. H. & J. P. Thayes as paint shop. No loss. Cause, oily rags heated.

Thursday, November 12, 6.43 P. M. Box 162.

No. 5 Bradbury Street. Owned and occupied by Thomas Shea as dwelling. No loss. Cause, soot in chimney.

Thursday, November 12, 7.40 P. M. Still.

No. 42 Middlesex Street. Owned and occupied by M. J. Lundregan as dwelling. No loss. Cause, soot in chimney.

Friday, November 13, 1.30 A. M. Still.

Dump fire on Raymond Street.

Tuesday, November 17, 4.58 P. M. Box 13.

No. 39 Fourth Street. Owned by Frank H. Marshall. Loss, $30. Insurance, $1,600. Occupied by Henry C. Parkinson as dwelling. Loss, trifling. Cause, rats and matches in partition.

Tuesday, November 17, 6.39 P. M. Box 25.

No. 3 Douglass Court. Owned by Harvard Corporation. Loss, $262. Insurance, $4,000. Occupied by Massachusetts Confectionery Co. as factory. Loss, $4,207. Insurance, $8,500. Cause, hot ashes in barrel. Loss, mostly by smoke in stock.

Wednesday, November 18, 3.15 P. M. Still.

No. 149 Auburn Street. Owned by M. Tarbal as dwelling. No loss. Cause, soot in chimney.

Thursday, November 19, 1.43 A. M. Box 71.

No. 2612 Massachusetts Avenue. Owned by Owen Lynch. Loss, $750. Not insured. Occupied by A. S. Lohnes as blacksmith. Loss, $730. Insurance, $1,500. Occupied by Hardin & Greenlaw as carpenter shop. Loss, $350. Insurance, $950. Cause, spark from stove in blacksmith office.

Thursday, November 19, 2.15 P. M. Box 78.

No. 22 Royal Street. Owned by James F. O'Riley. Loss, $125. Insurance, $6,000. Occupied by James Hanranan as dwelling. Loss, $25. Insurance, $1,000. Cause, hot ashes in barrel.

Friday, November 20, 9.23 A. M. Box 35.

No. 56 Elm Street. Owned by L. J. Foss Co. Loss, $300. Insurance, $1,000. Occupied by L. J. Foss Co. as candy factory. Loss, $900. Insurance, $2,800. Cause, unknown.

Saturday, November 21, 4.04 P. M. Box 153.

No. 5 De Wolfe Street. Owned and occupied by B. McArthur as dwelling. No loss. Cause, soot in chimney.

Saturday, November 21, 6.35 P. M. Still.

Dump fire on Landsdown Street.

Sunday, November 22, 10.42 A. M. Box 28.

False.

Sunday, November 22, 12.18 P. M. Box 36.

No. 130 Austin Street. Owned by Catherine Emerson. Loss, $35. Insurance, $2,000. Occupied by M. E. Archibald as dwelling. No loss. Cause, rats and matches in partition.

Monday, November 23, 11.33 A. M. Box 87.

No. 35 New Street. Owned by John B. Griffin. Loss, $83. Insurance, $1,000. Occupied by John B. Griffin as dwelling. Loss, $113.39. Cause, boiling tar on stove.

Monday, November 23, 6.21 P. M. Box 162.

No. 215 Mt. Auburn Street. Owned by Patrick Shea. Loss, $17.50. Insurance, $1,500. Occupied by Thomas W. Haskin as dwelling. Loss, $84. Insurance, $500. Cause, careless smoking on couch.

Friday, November 27, 4.44 P. M. Box 131.

No. 660 Cambridge Street. Owned by Charles Lenehan Estate. Loss, $270. Insurance, $6,000. Occupied by Jennie Wenicor as grocery store. Loss, $600. Insurance, $800. Cause, match thrown into sawdust on floor.

Sunday, November 29, 12.30 A. M. Box 72.

No. 173 Rindge Avenue. Owned by Joseph O. Authier. Loss, $218. Insurance, $8,000. Occupied by Alfred S. Carbonneau as grocery. Loss, $67. Insurance, $1,000. Occupied by Peter Gingsheim as dwelling. Loss, $25. Insurance, $700. Cause, rats and matches in ceiling.

Sunday, November 30, 5.14 P. M. Box 12.

No. 12 Stevens Court. Owned by Julia Dorgan. Loss, $35. Insurance, $1,400. Occupied by Wm. Casperowitz as dwelling. Loss, $30. Not insured. Cause, child upset lamp on bed.

Sunday, November 30, 5.16 P. M. Box 13.

Alarm for same fire as from Box 12.

Sunday, November 30, 5.18 P. M. Box 124.

Alarm for same fire as from Box 12.

DECEMBER.

Tuesday, December 1, 1.30 A. M. Still.

No. 54 Howard Street. Owned by Thomas Cunningham. Loss, $20. Insurance, $3,000. Occupied by Charles Roberts as dwelling. Loss, $41. Insurance, $1,000. Cause, clothes on line fell onto stove.

Tuesday, December 1, 9.47 A. M. Box 29.

No. 17 Portsmouth Street. Owned by Jacob Goldman. Loss, $169. Insurance, $3,500. Occupied by Jacob Goldman as dwelling. Loss, $207. Insurance, $500. Cause, child set fire to couch.

Tuesday, December 1, 1.30 P. M. Still.

No. 905 Main Street. Owned by L. A. Whitney. Loss, $125. Insurance, $20,000. Occupied by M. J. Dykman as dwelling. Loss, $148. Insurance, $500. Cause, accidental, upset lamp.

Tuesday, December 1, 5.19 P. M. Box 215.

False alarm.

Tuesday, December 1, 7.40 P. M. Still.

Grass fire on Brookline Street.

Tuesday, December 1, 10.45 P. M. Still.

Dump fire on Commercial Street.

Wednesday, December 2, 12.34 A. M. Box 115.

Dump fire on Rogers Street.

Thursday, December 3, 10.03 A. M. Box 31.

No. 851 Cambridge Street. Owned by Lusitania Trust. Loss, $175. Insurance, $3,000. Occupied by Nettie Green as dry goods. Loss, $1,000. Insurance, $3,000. Cause, overheated stove pipe ignited woolen goods.

Thursday, December 3, 6.16 P. M. Box 433.

No. 171 Second Street. Owned and occupied by Independent Ice Co. as stable. Loss, trifling. Originated in loose hay outside of building.

Thursday, December 3, 5.10 P. M. Still.

No. 23 Lambert Street. Owned by Thomas Regan. No loss. Occupied by Timothy Murphy as dwelling. No loss. Cause, soot in chimney.

Friday, December 4, 7.00 P. M. Still.

Telegraph pole afire on Portland, corner Main Street.

Saturday, December 5, 4.00 P. M. Still.

No. 110 Otis Street. Owned by Ernest J. Slinzie as unoccupied factory. Loss, trifling. Cause, set fire on outside by boys.

Saturday, December 5, 9.06 P. M. Box 32.

No. 297 Elm Street. Owned by Hannah O'Connor. Loss, trifling. Occupied by John Doran as dwelling. No loss. Cause, overturned lamp.

Sunday, December 6, 8.49 A. M. Box 25.

Mistake in repeating alarm at battery room.

Sunday, December 6, 8.49 A. M. Box 7.

No. 52 Bridge Street. Owned by Charles Linehan as dwelling. No loss. Cause, sparks from chimney on roof.

Sunday, December 6, 11.05 A. M. Still.

No. 21 Buckingham Street. Owned and occupied by E. P. Barker as dwelling. No loss. Cause, soot in chimney.

Sunday, December 6, 3.23 P. M. Still.

No. 42 Garden Street. Owned by Phillip Mason as dwelling. No loss. Cause, soot in chimney.

Sunday, December 6, 4.10 P. M. Still.

Dump fire on Landsdown Street.

Sunday, December 6, 5.15 P. M. Still.

No. 114 Upland Road. Owned by Mary L. Pelky. No loss. Occupied by A. J. Lovell as dwelling. No loss. Originated in cold air box for furnace. Cause, incendiary.

Sunday, December 6, 6.59 P. M. Box 149.

No. 41 Baldwin Street. Owned and occupied by E. McLaughlin as dwelling. Loss, trifling. Cause, lamp exploded.

Sunday, December 6, 10.40 P. M. Still.

No. 82 State Street. Owned and occupied by Blacker & Shepard as planing mill. No loss. Cause, fire in shaving chute.

Monday, December 7, 5.39 A. M. Box 42.

No. 301 Allston Street. Owned by Nat Bates. Loss, $75. Insurance, $1,000. Occupied by John Spiller as grocery store. Loss, $108. Insurance, $550. Cause, rats and matches under floor.

Monday, December 7, 8.36 A. M. Box 16.

No. 245 Sixth Street. Owned by M. Sousa. Loss, $109. Insurance, $5,000. Occupied by Frank La Britton as dwelling. Cause, rats and matches in ceiling.

Wednesday, December 9, 4.20 P. M. Still.

No. 15 Follen Street. Owned and occupied by T. W. Richards as dwelling. No loss. Soot in chimney.

Friday, December 11, 6.48 P. M. Box 425.

No. 144 Green Street. Owned by F. W. Tilton. No loss. Occupied by Thomas Wilson as dwelling. No loss. Cause, exploded lamp.

Friday, December 11, 8.32 P. M. Still.

No. 114 Upland Road. Owned by Mary L. Pelky. No loss. Occupied by A. J. Lovell as dwelling. No loss. Cause, fire in excelsior in cellar by incendiary.

Friday, December 11, 10.35 P. M. Still.

No. 12 Kirkland Place. Owned and occupied by A. S. Palmer as dwelling. No loss. Cause, lamp took fire.

Saturday, December 12, 4.53 P. M. Box 131.

No. 19 Porter Street. Owned by Frank Strozzie. Loss, $15. Insurance, $2,000. Occupied by Frank Strozzie as grocery store. Loss, $10. Insurance, $800. Cause, lamp exploded.

Tuesday, December 15, 1.32 P. M. Box 113.

No. 59 Otis Street. Owned by E. L. Brody. Loss, $396. Insurance, $6,500. Occupied by Anna Cowin as dwelling. Loss, $75. Not insured. Cause, child set fire to bed.

Tuesday, December 15, 7.15 P. M. Box 145.

No. 553 Franklin Street. Owned by Jeremiah Sullivan. No loss. Occupied by H. Reidsdell as dwelling. No loss. Cause, lamp exploded.

Wednesday, December 16, 1.15 P. M. Still.

No. 27 Fifth Street. Owned by John Murphy. No loss. Occupied by John Johnson as dwelling. No loss. Cause, soot in chimney.

Thursday, December 17, 4.30 P. M. Still.

No. 42 Sherman Street. Owned by F. X. Masse. Loss, trifling. Occupied by John McKinnon as dwelling. No loss. Cause, oil stove took fire.

Thursday, December 17, 7.30 P. M. Still.

No. 50 Fayerweather Street. Owned and occupied by A. A. Carey as dwelling. No loss. Cause, soot in chimney.

Saturday, December 19, 7.42 P. M. Box 131.

No. 23 Lambert Street. Owned by John Regan. Loss, $47. Insurance, $1,000. Occupied by Patrick McCarthy as dwelling. Loss, $25. Not insured. Cause, lamp dropped and broken.

Sunday, December 20, 4.58 P. M. Box 65.

No. 1679 Massachusetts Avenue. Owned and occupied by C. S. Bishop as dwelling. Loss, $10. Insurance, $5,000. Cause, unknown fire in attic storeroom.

Monday, December 21, 11.35 A. M. Box 17.

No. 89 Washington Street. Owned by Fred H. Schmidtko as dwelling. Loss, $65. Insurance, $3,500. Cause, set afire by boys outside of building.

Monday, December 21, 3.30 P. M. Still.

No. 28 Cogswell Avenue. Owned by William C. Mahoney. Loss, trifling. Occupied by several families. No loss. Cause, defect in chimney.

Tuesday, December 22, 12.08 A. M. Box 126.

No. 319 Washington Street. Owned by Charles H. Smith. Loss, $65. Insurance, $1,000. Occupied by Victor P. Ash as dwelling. Loss, $15. Not insured. Cause, exploded lamp.

Wednesday, December 23, 7.05 A. M. Still.

No. 28 Hubbard Avenue. Owned by Harry Seagrave as unoccupied dwelling. No fire. Cause, drying plastering making steam.

Wednesday, December 23, 8.30 A. M. Still.

No. 382 Norfolk Street. Owned by Silas Buck Estate. No loss. Occupied by William Whalen as dwelling. No loss. Cause, soot in chimney.

Wednesday, December 23, 3.38 P. M. Box 31.

No. 133 Willow Street. Owned by Thomas McHolland. Loss, $20. Insurance, $1,500. Occupied by Patrick Kelleher as dwelling. Loss, trifling. Cause, careless dropping match into wood box behind stove.

Wednesday, December 23, 5.59 P. M. Box 134.

Electric wire pole afire on Cambridge, near Tremont Street.

Wednesday, December 23, 8.39 P. M. Box 14.

No. 153 Otis Street. Owned by Dominick Chenpi as dwelling. Cause, no fire. Smoke from chimney.

Thursday, December 24, 6.16 P. M. Box 135.

No. 265 Harvard Street. Owned by F. A. Allen. Loss, $10. Insurance, $1,000. Occupied by F. A. Allen as harness room in barn. Loss, $25. Not insured. Cause, careless dropping match in box of paper.

Tuesday, December 29, 11.00 P. M. Box 59.

No. 8 Palmer Street. Owned by Clark & Mills as rubbish. Cause, barrel in driveway afire.

Thursday, December 31, 4.30 A. M. Box 25.

No. 448 Massachusetts Avenue. Owned and occupied by Toney Perry as lunch room. Cause, smoke from chimney.

Thursday, December 31, 9.00 A. M. Box 152.

No. 383 Harvard Street. Owned by E. Holbrook as dwelling. Cause, short circuit electric wires in cellar.

Thursday, December 31, 11.23 A. M. Box 73.

False alarm.

JANUARY.

Friday, January 1, 10.40 P. M. Box 32.

No. 307 Webster Avenue. Owned and occupied by Louis Goldman as storage for bottles. Loss, trifling. Cause, overheated stove set fire to box.

Saturday, January 2, 1.45 P. M. Still.

No. 39 Antrim Street. Owned by Henry Duckry. Loss, $15. Insurance, $5,000. Occupied by John Lee as dwelling. Loss, $15. Not insured. Cause, child set fire to Christmas tree.

Tuesday, January 5, 3.32 A. M. Box 36.

No. 529 Massachusetts Avenue. Owned by Harvard University. Loss, $922. Insurance, $6,400. Occupied by H. S. Bennett as millinery store. Loss, $5,206.68. Insurance, $13,500. Loss on contents by smoke. Originated in barrel of rubbish under stairs in cellar. Cause, unknown.

Tuesday, January 5, 1.36 P. M. Box 135.

No. 302 Harvard Street. Owned by E. J. Baxter. Loss, $35. Insurance, $2,600. Occupied by M. B. Cleland as dwelling. Loss, $28.25. Insurance, $1,000. Cause, hot ashes in barrel in cellar.

Wednesday, January 6, 9.46 A. M. Box 137.

No. 280 Western Avenue. Owned by Herbert L. Rose. Loss, $250. Insurance, $7,000. Occupied by Jacob Mannus as dwelling. Loss, $340. Insurance, $800. Cause, child set fire to clothes in closet.

Wednesday, January 6, 1.49 P. M. Box 131.

No. 744 Cambridge Street. Owned by Samuel Gross. No loss. Occupied by Carmelia Montuori as dwelling. Cause, turning oil into stove. Mrs. Montuori fatally burned.

Wednesday, January 6, 4.45 P. M. Still.

No. 40 Creighton Street. Owned by Victor M. Hall. No loss. Occupied by D. McDonald as dwelling. No loss. Cause, child set fire to rubbish in cellar.

Thursday, January 7, 9.27 P. M. Box 35.

No. 20 Suffolk Street. Owned by Asa Lamson as dwelling. No loss. Cause, soot in chimney.

Thursday, January 7, 11.38 P. M. Box 32.

No. 458 Columbia Street. Owned by Abram Furman. Loss, $487. Insurance, $700. Occupied by Cambridge Live Poultry Co. Loss, $400. Insurance, $1,000. Cause, incendiary.

Friday, January 8, 7.08 A. M. Box 215.

No. 78 Sixth Street. Owned by Timothy Mahoney. Loss, $60.50. Insurance, $1,000. Occupied by Thomas W. Smith as dwelling. Loss, $179.98. Insurance, $500. Cause, careless dropping match in clothing.

Friday, January 8, 7.40 A. M. Still.

No. 134 Tremont Street. Owned and occupied by J. J. Sullivan as dwelling. No loss. Cause, soot in chimney.

Saturday, January 9, 1.38 A. M. Box 131.

No. 11 Parnell Street. Owned by Charles Linehan Estate. Loss, $82. Insurance, $1,000. Occupied by E. F. Donovan as dwelling. Loss, $35. Not insured. Cause, lamp dropped and broken.

Saturday, January 9, 2.02 A. M. Box 78.

No. 77 Concord Avenue. Owned by D. J. O'Brien as dwelling. Loss, $75. Insurance, $3,000. Cause, rubbish in cellar.

Saturday, January 9, 5.26 P. M. Box 139.

False alarm.

Saturday, January 9, 7.27 P. M. Box 162.

No. 175 Mt. Auburn Street. Owned and occupied by M. E. Eastman as dwelling. Loss, trifling. Cause, gas light ignited curtain.

Wednesday, January 13, 7.30 P. M. Still.

No. 11 Highland Street. Owned and occupied by M. P. White as dwelling. Cause, smoke from furnace.

Thursday, January 14, 4.31 A. M. Box 153.

Westmorley Court. Owned by Charles D. Whitmore. Loss, $130. Insurance, $210,000. Occupied by several parties as dormitory. Loss, $60. Not insured. Cause, sparks from fireplace ignited furniture.

Thursday, January 14, 2.04 P. M. Box 134.

No. 149 Tremont Street. Owned by Edwina M. Mills. Loss, $20. Insurance, $4,000. Occupied by Michael Grady as dwelling. Loss, $12. Not insured. Cause, child set fire to table cover.

Friday, January 15, 3.30 P. M. Still.

Deacon Street. Owned by F. L. Hayden. Loss, $100. Insurance, $800. Occupied by F. L. Hayden as charcoal laboratory. Loss, $600. Insurance, $700. Cause, electric wire set fire to building.

Friday, January 15, 9.18 P. M. Box 16.

Rekindling of charcoal fire.

Friday, January 15, 9.20 P. M. Box 254.

Alarm for same fire as from Box 16.

Saturday, January 16, 6.00 A. M. Box 9.

No. 135 Cambridge Street. Owned by Elizabeth Richmond. Loss, $306. Insurance, $800. Occupied by J. O'Connor as barn storage for barrels. Loss, $30. Not insured. Cause, supposed incendiary.

Saturday, January 16, 9.38 A. M. Box 8.

No. 52 First Street. Owned and occupied by John Harrington as engine room. Loss, $25. Insurance, $1,300. Cause, thawing water pipes set fire under floor.

Sunday, January 17, 11.08 P. M. Box 73.

No. 280 Rindge Avenue. Owned by Nelson Porie. Loss, $75. Insurance, $3,000. Occupied by Levron Giedegein as grocery. Loss, $90. Insurance, $1,000. Cause, overheated stove pipe.

Monday, January 18, 4.39 P. M. Box 17.

No. 98 Hastings Street. Owned by Thomas Harris. Loss, $200. Not insured. Occupied by Thomas Harris as dwelling. Loss, $150. Not insured. Cause, thawing water pipes.

Tuesday January 19, 11.15 A. M. Still.

No. 7 Jefferson Street. Owned and occupied by M. O'Leary as stable. Loss, trifling. Cause, overheated stove pipe.

Tuesday, January 19, 8.45 P. M. Still.

No. 279 Portland Street. Owned by Levi Sandler. No loss. Occupied by H. R. Spinney as dwelling. No loss. Cause, broken gas pipe.

Thursday, January 21, 11.50 A. M. Still.

No. 125 Mt. Auburn Street. Owned by John Delaney. Loss, trifling. Occupied by J. B. Robbins as dwelling. No loss. Cause, stove rags under sink.

Monday, January 25, 10.55 A. M. Still.

No. 8 Frisbee Place. Owned by Harvard College Corp. No loss. Occupied by A. P. Henchman as dwelling. No loss. Cause, soot in chimney.

Monday, January 25, 4.58 P. M. Box 59.

Harvard College yard. Wardsworth house, used as offices. No loss. Cause, soot in chimney.

Monday, January 25, 5.13 P. M. Box 124.

No. 9 Mullen Court. Owned by William Mullen. Loss, $15. Insurance, $2,500. Occupied by Patrick Cullinan as dwelling. Loss, trifling. Cause, mice and matches in books in closet.

Wednesday, January 27, 6.17 P. M. Box 36.

No. 4 Essex Street. Owned by A. P. Morse. Loss, $20. Insurance, $2,000. Occupied by George Dority as dwelling. Loss, $12. Not insured. Cause, gas light ignited curtain.

Wednesday, January 27, 7.14 P. M. Box 74.

No. 91 Shuman Street. Owned by J. E. Brouillard as wagon. Loss, trifling. Cause, match dropped into oakum in wagon.

Thursday, January 28, 7.52 P. M. Box 25.

No. 548 Massachusetts Avenue. Owned by Charles R. Lamb as stores and tenements. Cause, smoke from chimney mistaken for fire.

Friday, January 29, 10.47 P. M. Box 36.

No. 77 Prospect Street. Owned by James Forestall. No loss. Occupied by William M. Meharry as dwelling. No loss. Cause, cleaning gloves with naphtha near candle light.

FEBRUARY.

Monday, February 1, 1909, 3.48 P. M. Still.

No. 396 Mt. Auburn Street. Owned and occupied by Caroline Hayes estate as dwelling. Loss, trifling. Cause, overheated furnace pipe.

Monday, February 1, 8.00 P. M. Still.

No. 75 Otis Street. Owned by John O'Brien. Loss, trifling. Occupied by Margaret Gauthier. No loss. Cause, overheated furnace.

Tuesday, February 2, 9.38 A. M. Box 9.

No. 142 Cambridge Street. Owned by Silas P. Buck estate. Loss, $47. Insurance, $1,600. Occupied by Guiseppi Lavino as dwelling. No loss. Cause, thawing water pipes in water closet.

Wednesday, February 3, 2.23 P. M. Box 28.

No. 159 Broadway. Owned by Catherine McCarthy. Loss, $125. Insurance, $3,000. Occupied by Catherine McCarthy as dwelling. Loss, $10. Not insured. Cause, thawing water pipes in cellar.

Wednesday, February 3, 3.52 P. M. Box 92.

No. 7 Lowell Street. Owned and occupied by C. H. Toy as dwelling. No loss. Cause, soot in chimney.

Friday, February 5, 6.21 P. M. Box 74.

No. 6 Bolton Street. Owned by Mary O'Connell. No loss. Occupied by Frank Roper as dwelling. Loss, trifling. Cause, careless smoking in chair.

Monday, February 8, 1.57 A. M. Box 27.

No. 213 Broadway. Owned by Jacob Spear. Loss, $204.60. Insurance, $14,000. Occupied by Harry Heskenofsky as dwelling. Loss, $139.88. Insurance, $400. Cause, incendiary. Fire in three rooms.

Monday, February 8, 5.58 P. M. Box 26.

No. 30 School Street. Owned by Brooks estate. No loss. Occupied by Oscar Olson as dwelling. Loss, trifling. Cause, children set fire to trunk on piazza.

Tuesday, February 9, 8.05 A. M. Still.

No. 14 Western Avenue. Owned by Cambridge Real Estate Co. No loss. Occupied by Herbert L. Rose as plumber shop. Loss, trifling. Cause, gasoline in contact with gaslight ignited oakum.

Tuesday, February 9, 5.47 P. M. Box 121.

Grass fire off Charles River Road.

Tuesday, February 9, 7.42 P. M. Box 27.

No. 184 Windsor Street. Owned by Lysander Kemp estate. Loss, $65. Insurance, $2,000. Occupied by Rose Porter as dwelling. Loss, $113.85. Insurance, $700. Cause, lamp set fire to curtain.

Tuesday, February 9, 10.58 P. M. Box 9.

No. 98 Bridge Street. Owned by Clara A. Brigham. Loss, $200. Insurance, $2,250. Occupied by I. Melinsky as paint shop. Loss, $200. Insurance, $2,800. Cause, suspected incendiary.

Wednesday, February 10, 12.45 P. M. Still.

No. 7 1-2 Beaver Street. Owned by E. T. Broderick as dwelling. No loss. Cause, soot in chimney.

Friday, February 12, 10.52 A. M. Box 28.

False alarm.

Friday, February 12, 6.08 P. M. Box 136.

No. 529 Massachusetts Avenue. Owned by Harvard University. No loss. Occupied by H. S. Bennett as millinery store. No loss. Cause, soot in chimney.

Saturday, February 13, 6.40 P. M. Box 14.

No. 46 Seventh Street. Owned by Joseph Metzger. Loss, $105. Insurance, $2,000. Occupied by Agnes Lynch. Loss, $100. Not insured. Cause, lamp exploded.

Saturday, February 13, 9.30 P. M. Still.

No. 409 Green Street. Owned by Margaret F. Smith. Loss, $129. Insurance, $12,000. Occupied by Arthur H. Barr as dwelling. Loss, $139.25. Insurance, $400. Cause, unknown. Bed was discovered on fire.

Sunday, February 14, 4.30 P. M. Box 149.

No. 1 Line Street. Owned by M. H. Dewire. Loss, $900. Insurance, $5,000. Occupied by Burton Brooks as dwelling. Loss, $50. Not insured. Cause, rats and matches in partition around chimney.

Tuesday, February 16, 9.40 P. M. Still.

No. 18 Pleasant Street. Owned by C. S. Ball. No loss. Occupied by Robert McClare as garage. Loss, trifling. Cause, oily waste took fire.

Thursday, February 18, 8.45 A. M. Still.

No. 206 Franklin Street. Owned by George F. Tarbell. No loss. Occupied by N. Metropolis as dwelling. Loss, trifling. Cause, clothing drying in cellar in contact with hot ashes.

Thursday, February 18, 11.02 A. M. Box 10.

No. 188 First Street. Owned and occupied by A. Somers as viscol factory. No loss. Cause, leak in gas pipe caused slight explosion.

Saturday, February 20, 6.47 P. M. Box 9.

No. 135 Cambridge Street. Owned by Elizabeth Richmond. Loss, $211. Insurance, $6,000. Occupied by Elizabeth Richmond as dwelling. Loss, $72. Insurance, $2,000. Cause, lamp exploded in bed room.

Sunday, February 21, 2.40 P. M.

Engine No. 5 responded to Box 26, Somerville.

Tuesday, February 23, 1.44 P. M. Box 52.

No. 698 Green Street. Owned by C. E. McKinnon. Loss, $60. Insurance, $3,700. Occupied by C. Ingraham as dwelling. Loss, $110. Insurance, $500. Cause, unknown. Originated in clothing in closet.

Tuesday, February 23, 7.23 P. M. Box 145.

No. 14 Bay Street. Owned by Etta Osborn. No loss. Occupied by John Hackett as dwelling. No loss. Cause, bed cover in contact with stove.

Wednesday, February 24, 8.55 A. M. Box 23.

No. 34 Lopez Street. Owned by A. V. Jones. No loss. Occupied by C. E. Cox as dwelling. Loss trifling. Cause, child set fire to rug.

Friday, February 26, 9.46 P. M. Box 271.

No. 55 Cedar Street. Owned by Edward Lynch. Loss, $500. Insurance, $500. Occupied by Charles E. Laverty as stable. Loss, $200. Not insured. Cause, unknown.

Friday, February 26, 9.48 P. M. Box 72.

Alarm for same fire as from box 271.

Saturday, February 27, 10.13 A. M. Box 16.

No. 212 Sixth Street. Owned and occupied by Campbell Bros. as boiler makers. No loss. Cause, overheated smoke stack ignited roof.

Sunday, February 28, 7.20 P. M. Still.

No. 576 Cambridge Street. Owned by G. E. Webber as dwelling. No loss. Cause, soot in chimney.

Sunday, February 28, 9.02 P. M. Box 36.

No. 6 1-2 Essex Street. Owned by A. P. Morse. Loss, $45. Insurance, $2,000. Occupied by Barney Goldstein as dwelling. Loss, $90. Insurance, $500. Cause, unknown.

MARCH.

Tuesday, March 2, 5.26 A. M. Box 454.

Harvard College yard. Owned by Harvard University. Loss, $123. Insurance, $67,500. Occupied by Harvard Students as study. Loss, $25. Not insured. Originated in partition about fire place.

Tuesday, March 2, 9.04 P. M. Box 34.

No. 133 Elm Street. Owned by Catherine Coughlin. No loss. Occupied by George Kennally. No loss. Cause, lamp exploded.

Wednesday, March 3, 9.21 P. M. Box 15.

No. 66 Charles Street. Owned by Mr. Martin. No loss. Occupied by Manuel Costa as dwelling. No loss. Cause, smoke from stove.

Friday, March 5, 6.30 P. M. Still.

No. 15 Columbia Street. Owned by Moses T. White. Loss, $49.50. Insurance, $4,000. Occupied by J. C. Malcomb as dwelling. Loss, $40. Insurance, $1,000. Cause, oil stove took fire.

Saturday, March 6, 1.45 P. M. Still.

No. 37 Jefferson Street. Owned and occupied by Henry Wall as dwelling. No loss. Cause, soot in chimney.

Sunday, March 7, 6.12 P. M. Box 82.

No. 158 Brattle Street. Owned and occupied by E. H. Wentworth as dwelling. Loss, trifling. Cause, gas light ignited curtain.

Sunday, March 7, 11.47 P. M. Box 136.

No. 59 Norfolk Street. Owned by W. A. Bullard. Loss, $100. Insurance, $14,000. Occupied by Charles Hopkins as dwelling. No loss. Cause, hot ashes in barrel in shed.

Monday, March 8, 6.30 P. M. Still.

No. 97 Mt. Auburn Street. Owned by Reed Estate. No loss. Occupied by Phoenix Club as club room. No loss. Cause, sparks from chimney on roof.

Tuesday, March 9, 1.01 P. M. Box 321.

No. 224 Albany Street. Owned by Russell Estate. Loss, trifling. Occupied by Library Bureau Corp. as factory. Loss, $495. Insurance, $26,200. Cause, careless dropping match in paint.

Tuesday, March 9, 5.15 P. M. Still.

No. 50 Second Street. Owned by Irvin & Casson. No loss. Occupied by Cobb, Eastman Co. as furniture factory. No loss. Cause, dust in blow pipe took fire.

Saturday, March 13, 4.49 P. M. Box 23.

No. 120 Auburn Street. Owned by Thomas M. Tibbets. Loss, $100. Not insured. Occupied by Charles Henderson as dye house and cleaning clothing. Loss, $500. Not insured. Cause, explosion of naphtha.

Sunday, March 14, 12.33 P. M. Box 137.

No. 240 Western Avenue. Owned by Israel Nisson. Loss, $36. Insurance, $4,000. Occupied by Samuel Borges as dwelling. Loss, $100. Insurance, $500. Cause, careless dropping fire on bed.

Tuesday, March 16, 10.32 A. M. Box 17.

No. 57 Portland Street. Owned by John McFarlane. No loss. Occupied by Manuel King as dwelling. Loss, trifling. Cause, children set fire to bed.

Wednesday, March 17, 7.45 P. M. Box 37.

No. 28 Upton Street. Owned by Susan T. Gordon. Loss, $25. Insurance, $2,000. Occupied by Susan T. Gordon as dwelling. Loss, $25. Insurance, $1,000. Cause, curtain in contact with gas light.

Thursday, March 18, 11.15 A. M. Box 454.

College yard. Owned by Harvard University. Loss, $103. Insurance, $23,000. Occupied by Harvard students. No loss. Cause, mice and matches in basement ceiling.

Thursday, March 18, 3,48 P. M. Box 35.

No. 57 Essex Street. Owned by A. M. Robbins. Loss, $60. Insurance, $6,000. Occupied by Joseph Brosseau as dwelling. Loss, $125. Insurance, $300. Cause, candle ignited clothing in closet.

Thursday, March 18, 4.43 P. M. Box 31.

No. 49 Windsor Street. Owned by Joseph Andleman as unoccupied dwelling. No loss. Cause, smoke from salamanda stove drying plaster.

Friday, March 19, 3.25 P. M. Still.

No. 40 Creighton Street. Owned by Victor M. Hall. Loss, $10. Insurance, $3,000. Occupied by H. M. O'Brien as dwelling. Loss, $80. Insurance, $600. Cause, clothing in closet ignited by lamp.

Friday, March 19, 3.47 P. M. Still.

No. 47 Raymond Street. Grass fire.

Saturday, March 20, 3.35 A. M. Box 19.

Near Albany Street. Owned by B. & A. R. R. Loss, $25. Insurance, $900. Cause, empty freight car supposed set afire by tramps.

Sunday, March 21, 11.30 A. M.

Engine No. 5 responded to Box 26, Somerville.

Sunday, March 21, 3.02 P. M. Box 38.

No. 6 Warland Street. Owned by Annie Nottage. Loss, $415. Insurance, $2,000. Occupied by John Stone as dwelling. Loss, $110. Insurance, $1,000. Cause, rats and matches in roof ceiling.

Sunday, March 21, 6.43 P. M. Box 15.

No. 291 Vine Street. Owned by Michael Maraghy. No loss. Occupied by Jessie Pacheca as dwelling. No loss. Cause, towels took fire from stove.

Monday, March 22, 1.04 P. M. Box 56.

No. 58 Kirkland Street. Owned by Israel Nisson. Loss, $290. Insurance, $5,000. Occupied by F. A. Black as dwelling. Loss, $95. Insurance, $1,500. Cause, pan of fat on stove took fire.

Monday, March 22, 2.32 P. M. Box 428.

No. 110 Portland Street. Owned and occupied by Boston Woven Hose & Rubber Co. as factory. Loss, trifling. Cause, rubber cement took fire by overheat.

Monday, March 22, 4.00 P. M. Still.

No. 139 Lexington Avenue. Owned by Angelina Carboni as hen house. No loss. Cause, children playing with matches.

Monday, March 22, 7.37 P. M. Box 17.

No. 104 Harvard Street. Owned by Fred W. Stone. Loss, $125. Insurance, $2,000. Occupied by Lawrence Taylor as dwelling. Loss, $10. Not insured. Cause, rats in partition.

Tuesday, March 23, 12.44 P. M. Box 42.

No. 385 Putnam Avenue. Owned and occupied by Dover Stamping Co. as wagon shed. Loss, trifling. Cause, took fire from burning dump.

Thursday, March 25, 5.40 P. M. Box 68.

No. 1898 Massachusetts Avenue. Owned by Brooks & Conley. Loss, $50. Insurance, $4,000. Occupied by J. F. Smith as paint shop. Loss, trifling. Cause, spontaneous in oily rags.

Friday, March 26, 6.50 A. M. Box 271.

No. 2394 Massachusetts Avenue. Owned by J. F. O'Brien as unoccupied stable. Loss, trifling. Cause, supposed incendiary.

Wednesday, March 31, 7.14 P. M. Box 31.

False alarm.

Wednesday, March 31, 8.46 P. M. Box 17.

Munson Street. Owned and occupied by John McIsaacs as carpenter shop. No loss. Cause, supposed careless throwing fire on sidewalk. Originated inside of door in shavings on ground.

REPORT OF THE SEALER OF WEIGHTS AND MEASURES.

REPORT OF THE CITY SEALER.

To the Honorable, the City Council:—

December 1, 1907, to March 31, 1908.

SALARIES.

Appropriation		$1,057 18
EXPENDED.		
For salaries of:—		
Sealer of weights and measures	$400 00	
Deputies	490 00	
Total		890 00
Surplus of appropriation to general treasury relinquished		$167 18

GENERAL EXPENSES.

Appropriation		$163 77
EXPENDED.		
For acid	$20 00	
Equipment	31 00	
Horse board, shoeing and clipping	62 28	
Office expenses	28 75	
Telephone service	16 10	
Total		158 13
Surplus of appropriation relinquished to general treasury		$5 64

OFFICE OF THE SEALER OF WEIGHTS AND MEASURES,
BRATTLE SQUARE, CAMBRIDGE, March 25, 1909.

To the Honorable, the City Council:—

In compliance with the City Ordinance, I respectfully submit a report for the Department of Weights and Measures for the year ending March 31, 1909.

SALARIES AND GENERAL EXPENSES.

Appropriation			$2,950 00
Salaries of Sealers:—			
Felix C. McBride	$1,200 00		
Emory T. Morris	900 00		
		$2,100 00	
Assistants:—			
Hugh H. Healy	$36 00		
Edward McBride	164 00		
		200 00	
Care of Horse:—			
Street Dept. for board	$252 00		
Street Dept. for shoeing	16 68		
E. F. Whitting, trimming horse	1 00		
		269 68	
Repairs on Wagon and Harnesses:—			
Owen Doherty	$11 15		
T. H. Kneeland	20 65		
		31 80	
Marking acid:—			
John J. Hargraves		40 00	
Equipments:—			
H. C. Diamonds, Dies and Seals	$26 86		
Brock & Eaton	11 55		
L. C. Chase, blanket	7 50		
W. & L. E. Gurley, 1 large valance scale	150 00		
		195 91	
Office Incidentals:—			
New E. Tel. & Tel. Co. service	$19 55		
Boston Elevated Ry. Co., car tickets	40 00		
Caustic Claflin Co., receipt books	14 50		
City Messenger, stationery	7 60		
Cambridge Sentinel	10 00		
E. L. Grimes, printing	8 41		
F. C. McBride Ex.	80		
American Ex. Co.	40		
Oter Wood Works, repairing scale	3 74		
W. & L. E. Gurley ex. scale	1 43		
		106 43	
		$2,943 82	$2,950 00

Appropriation		$2,950 00
Expenditures		2,943 82
Amount unexpended		$6 18

REVENUE.

Fees for sealing	$694 77	
Fees for adjusting	25 50	
Weighing fees, W. A. Chyne	29 75	
Weighing fees, E. I. Train	33 07	
Thomas Doras, one dem. wagon	20 00	
		$809 35
Unpaid fees for 1908		1 45
Total of fees collected		$807 90
Total amount expended		$2,943 82
Total of fees collected		807 90
Net expense of department		$2,135 92

TESTS MADE AT OFFICE, FOR YEAR ENDING FEBRUARY 28, 1909.

S—Sealed. A—Adjusted. C—Condemned

	Scales			Weights			Dry Measure			Liquid Measure			Yard Measure		Milk Measure	
	S	A	C	S	A	C	S	A	C	S	A	C	S	C	S	C
1907																
Dec.	3	1	1	7	....	1	10	....	1	....	....	....	....	....	11,669	67
1908																
Jan.	9	....	....	16	9	....	28	1	....	178	33	14	....	....	20,076	11
Feb	10	....	....	....	....	....	43	....	....	67	....	4	....	....	6,736	23
Mar.	143	3	40	40	13	....	203	....	....	236	8	1	....	....	7,186	10
Apr	39	....	1	8	....	....	245	16	....	104	....	3	....	....	7,800	12
May	19	....	1	76	46	....	146	2	....	9	....	....	....	....	7,020	5
June	16	....	....	3	....	....	108	....	....	35	2	....	....	....	14,277	19
July	....	....	....	5	....	....	102	....	....	35	3	....	....	....	9,144	28
Aug	12	....	....	8	....	....	38	2	1	1	....	....	....	....	10,112	11
Sept	13	....	....	8	....	....	37	....	....	....	....	....	....	....	17,611	14
Oct	7	....	....	....	....	....	28	....	3	4	....	....	....	....	15,472	15
Nov	6	....	1	10	2	....	....	....	....	25	4	23	....	....	12,330	17
Dec.	7	....	....	1	....	..	20	....	1	....	....	....	....	....	20,442	62
1909																
Jan	12	4	....	42	8	1	10	....	....	40	....	....	....	....	23,086	77
Feb.	8	....	....	13	....	2	28	....	2	72	....	4	....	....	15,480	80
	314	8	44	237	78	4	1,046	21	8	756	50	49	....	....	196,441	451

Total number of tests at office, 199,507.

TESTS MADE OUTSIDE OF OFFICE FOR YEAR ENDING FEBRUARY 28, 1909.

S—Sealed. A—Adjusted. C—Condemned.

	Scales			Weights			Dry Measure			Liquid Measure			Yard Measure	
	S	A	C	S	A	C	S	A	C	S	A	C	S	C
1907														
Dec	8	2	....	27	.....	....	4	....	..	1	....	...	.....	....
1908														
Jan	7	2	1	22	.....	....	6	....	1	.....	....	....	.....	..
Feb	.....	....	....	.....	.....	....	.....	....	..	.....	....	....	.....	....
Mar	.. ..	...	....	.....	.....	....	.....	....	....	.....	....	....	.....	....
Apr	1	....	....	8	.....	....	22	....	....	.....	....	....	.....	....
May	215	23	8	587	52	....	209	....	4	420	5	6	22	....
June	262	30	8	730	83	....	237	1	10	289	....	6	16	...
July	198	31	6	764	123	....	104	....	6	172	2	4	2	....
Aug	430	45	9	1,394	282	....	85	....	4	134	....	...	38	....
Sept	122	11	5	377	47	....	79	....	4	123	1	5	15	....
Oct	271	44	16	860	188	...	250	....	7	278	....	4	17	....
Nov	262	43	15	716	192	..	290	2	12	322	....	13	33	....
Dec	62	10	18	420	42	....	180	1	8	148	....	12	5	....
1909														
Jan	5	....	1	12	1	....	.....	....	....	12	....	2	.....	....
Feb	8	....	1	10	1	....	12	....	2	18	....	....	.....	....
	1,771	241	88	5,927	1,011	....	1,478	4	58	1,737	8	52	148	....

Total number of tests made outside of office, 12,523.

Total number of tests made	212,030
Total number correct	210,866
Total number incorrect	1,164

Respectfully submitted,

FELIX C. McBRIDE,

Sealer of Weights and Measures.

REPORT OF INSPECTOR OF MILK.

OFFICE OF THE INSPECTOR OF MILK,
CAMBRIDGE, APRIL 1, 1909.

To the Honorable, the City Council:—

GENTLEMEN:—I have the honor to present the report of the Department of Milk Inspection for the sixteen months, beginning December 31, 1907.

MILK.

6,530 samples of milk have been analyzed chemically for the percentage of butter fat and total solids. Samples which were suspected of containing added water, were always tested for water. Constant watch has been kept for coloring matter and preservatives in the milk.

The results of the work in detail may be seen in the following table:

Month	Seized Samples Anal'z'd	Below Standard	Per Cent. Below Standard	Solids					Fat					Solids Not Fat	Total Samples Anal'z'd
		In Fat or Solids	In Fat or Solids	Highest	Average Above Standard	Lowest	Average Below Standard	Average of all Samples	Highest	Average Above Standard	Lowest	Average Below Standard	Average of all Samples	Average of all Samples	
December, 1907	400	338	84.5	15.56	13.29	10.56	12.54	12.65	6.4	4 20	1.5	3.69	3.77	8.88	415
January 1908	416	334	80.2	16.12	13.44	11.56	12.52	12.70	6.1	4.34	3.0	3.68	3.81	8.89	486
February "	384	299	78.8	15.54	13.49	10.56	12.53	12.74	6.1	4.32	2.3	3.64	3.79	8.95	424
March "	400	357	89.2	14.60	13.32	11.20	12.53	12.62	5.2	4.34	2.6	3.66	3.74	8.88	424
April "	400	29	7.2	13.94	12.57	10.42	11.70	12.51	4.7	3.68	1.6	3.07	3.64	8.87	415
May "	400	47	11.7	15.96	12.46	10.70	11.67	12.37	7.2	3.83	2.1	3.01	3.73	8.64	405
June "	410	83	20.2	14.42	12.45	10.28	11.67	12.29	5.0	3.52	1.2	3.09	3.48	8.81	432
July "	400	176	44.0	14.24	12.51	10.66	11.77	12.18	4.8	3.73	2.4	3.28	3.53	8.65	457
August "	326	116	35.5	13.76	12.49	10.54	11.99	12.31	5.0	3.76	1.9	3.36	3.61	8.70	377
September "	384	74	19.2	14.70	12.55	10.50	11.90	12.43	6.0	3.68	2.1	3.25	3.59	8.84	437
October "	320	44	13.7	15.52	12.69	10.62	12.02	12.60	6.8	3.80	1.9	3.28	3.73	8.87	356
November "	384	23	5.9	14.44	12.78	10.20	11.99	12.73	5.8	3.83	2.7	3.28	3.79	8.94	401
December "	400	26	6.5	14.72	12.74	11.14	11.97	12.69	5.7	3.82	3.0	3.24	3.78	8.91	409
January, 1909	384	44	11.4	16.20	12.70	10.48	11.91	12.61	7.5	3.80	2.8	3.23	3.73	8.88	392
February "	336	54	16.0	19.00	12.66	10.18	11.88	12.53	9.4	3.74	2.6	3.34	3.68	8.85	349
March "	336	53	15.7	14.20	12.66	11.42	12.02	12.53	4.8	3.74	2.8	3.30	3.67	8.86	351
	6080	2097	34.4												6530

526 warnings sent during the period.

In July, 1908, after much discussion regarding the milk standard then enforced, viz.: 3.7 per cent. butter fat and 13 per cent. total solids during the winter months, and 3 per cent. butter fat and 12 per cent. total solids during the summer period, the Massachusetts Legislature passed a regulation decreeing that milk offered for sale should contain 3.35 per cent. fat and 12.15 per cent. total solids, throughout the year.

Because of this low standard, it becomes easier for the unscrupulous dealer to keep his supply up to the standard by adding to milk of fair quality only, a definite amount of skimmed milk.

Despite the lowered standard, the average quality of milk offered for sale throughout the city has been, from the standpoint of chemical food value in fats and solids, of high grade.

During last July, however, owing to a warm and extremely dry summer, milk fell far below the usual standard for that period of the year. In many instances the night's milk, as compared with the morning's milk from the same herd of cows, was found much poorer in quality, owing to the fact that the cows, forced to seek the shade as protection from the heat, were tormented by flies and had inadequate pasturage in the dried fields.

COURT CASES:

Twelve prosecutions have been made, as follows:

For sale or possession with intent to sell of milk not of good standard quality	8
For possession with intent to sell of milk containing added water	2
For possession with intent to sell of skimmed milk in an unmarked can	1
For obstruction of collector of samples in performance of his duty	1
	12

The results of the prosecutions were as follows:

Number of convictions	10
Number of acquittals	2
	12

The amount paid in fines was $260.00.

The addition of water to milk is vigorously condemned. It is not only fraudulent, but a menace to the public health, as the water which is added may be polluted or contaminated with pathogenic organisms.

The detection of added water in milk has been made possible by the use of the Zeiss Immersion Refractometer. The test is carried out as follows:

To 100 cubic centimeters of milk, at temperature of about 20° C., are added 2 cubic centimeters of 25 per cent. acetic acid (sp. gr. 1.0350) in a beaker; and the beaker, covered with a watch glass, is heated in a water bath for twenty minutes at a temperature of 70° C. After this, the beaker is placed in ice water for ten minutes, and the solution filtered. The refractometer is placed directly in the clear filtrate. A reading below 39 on the scale, enables one to declare milk fraudulently watered.

One hundred and fifteen licenses have been issued to milkmen to sell milk, and 228 registration certificates have been issued to storekeepers, making the total number of stores registered on the books of the Department, 496.

Much of the milk which is transported by rail to this city is brought in 21¼-quart and 40-quart cans, although the old style 8½-quart cans are still in considerable use. The preference is for the larger cans, as the producer has, on account of their size and weight when filled, less temptation to misuse them. One decided improvement which has been made in the past year is the washing by the contractors of all cans before they are returned to the farmers.

There has been little violation by shopkeepers of the regulation prohibiting the use of milk vessels as containers for substances other than milk. This has doubtless been due, in a measure, to the distribution by the Department of cards warning against the misuse of milk vessels. Housekeepers and those who make purchases from near-by stores, frequently fail to co-operate in the movement, by carelessly using their milk bottles as containers for molasses, vinegar, etc. The daily collection of cans and bottles by milkmen would materially assist in the enforcement of this regulation.

In April, 1908, a small outbreak of scarlet fever occurred in the city. Of the persons afflicted, 31 received milk from one dealer's supply. A careful investigation of each dairy supplying this dealer with milk failed to disclose any source of infection which might account for the outbreak. As a precautionary measure, however, the dealer was not allowed to sell, in the city, milk from any of these dairies. Inasmuch as no new case developed after the supply was shut off, the presumptive evidence is that contaminated milk was the cause of the outbreak.

In addition to the large number of chemical analyses made

during the period, about 1,250 bacterial counts have been made on milk samples taken chiefly from wagons. The methods employed have been:

(a) The microscopic examination of the centrifuged sediments for the detection of pus and streptococci.

(b) The "plate method," in which sterile agar of an acidity of +1.5% has been used as a nutrient medium. The plating has been carried out in 1-100 and 1-10,000 dilutions.

The milk supply of our city has been divided arbitrarily into classes represented by the letters A, B, C and D. As a result of the examination of the samples, the character of the supply may be seen:

Class A—Containing less than 100,000 bacteria per c.c. . . .	29.3%
Class B—Containing 100,000—250,000 bacteria per c.c. . . .	16.1 "
Class C—Containing 250,000—500,000 bacteria per c.c. . . .	23.2 "
Class D—Containing 500,000 bacteria and over per c.c. . . .	31.4 "

The number exceeding 500,000 per cubic centimeter, which is the maximum number allowed by the regulations of the Board of Health, is a reduction of 5.6% over the number exceeding 500,000, cited in my last report.

The microscopic examination of the centrifuged milk sediments has revealed the occasional presence of pus, pus and streptococci, or streptococci, but the percentage of this "infected milk," so called, has been small, only 4% of the entire number being so contaminated.

Upon the discovery of "infected milk," immediate investigation of the dealer's source of supply has been made, and in each instance there have been found gargety cows, cows nearly dry, or cows having injured udders. These animals have been isolated from the herd, and kept under surveillance, until such time as their milk could safely be used.

It is pertinent to state that almost all the milkmen have cooperated with the Inspector, and gladly accepted any suggestions tending toward the improvement of the milk delivered in the city.

The ignorance and carelessness of milk dealers, however, are frequently the cause of dirty milk. In one case, a cow with an injured and infected teat, was being milked in the remaining three-quarters of the udder. In another case, bloody milk was found on the car on its arrival from the country. One milkman was discovered tasting all his cans of milk with the same spoon, and without washing the spoon in the intervals. These incidents show that eternal vigilance is necessary in dealing with the milk problem and with individuals.

The percentage of samples exceeding 500,000 per cubic centi-

meter, although somewhat diminished over last year, may be still further reduced. The main issue in the milk problem, at present, is the procuring of clean milk, and to meet this problem, the best and the most intelligent effort is needed of all who handle milk, viz.: producer, middleman and consumer.

The producer should be offered kindly suggestions, pertaining to an improvement, usually, of the conditions surrounding his dairy; and to this effect, the Inspector strongly advocates the appointment of a Field Inspector, who shall supervise the production of clean milk at the farms. Such a preventive measure is a logical supplement to the police work now carried on by the Department.

Milk from the highest class of farms, only, should be given to the public, and the milk dealer should supervise his sources of supply. He should acquaint himself with the character of the milk supplied by each of his dairies, in order completely to eliminate the product of dirty dairies. This is of value not alone from the standpoint of decency, but as well from a business standpoint, inasmuch as the loss from sour milk is materially reduced.

In this respect, the milk contractors whose bacteriologists have examined the milk supply with a view to eliminating dirty and infected samples, and whose field inspectors have advocated improvements in the dairies supplying the milk, deserve credit as significant factors in the improvement of the milk supplied to the citizens.

The greatest factor, however, in this food and economic problem, is the public. The average consumer, provided his milk is delivered to him in a bottle which shows a cream line on the top and no visible sediment on the bottom, is satisfied. He is not interested, usually, in the sanitary conditions surrounding the production of the milk, or in the bacterial content of the milk sample.

It is time that the educated public turn from the question of the chemical food value of milk to the more important condition of the cleanliness of milk. It should be understood that clean milk, even at a slightly higher price per quart, is cheaper in the end than is dirty milk. Milk contaminated with dirt and bacteria is not only the cause of deaths from enteric diseases among infants, but, also, a prolific source of epidemics of typhoid fever, scarlet fever and diphtheria.

The public should take an active interest in the milk problem, and appreciating that the producer expends more money in making milk under improved sanitary conditions, be willing to pay a price commensurate with the cost of improvement.

The sale of milk in most of the small stores, is to be deplored, as many of the storekeepers are naturally incapable of handling and properly caring for such a perishable and easily contaminated food. Although the regulations of the Board of Health must be observed, and the personal cleanliness of the owner is required, before a license is granted a storekeeper, a reduction in the number of these dealers could result only advantageously to the community. As a prohibitive measure, the Inspector suggests raising the license fee from the present rate of 50 cents, to an annual fee of ten dollars. Feeding long-kept and frequently handled shop milk to infants is often a criminal procedure; and a vigorous opposition to the general use of such milk should be made by the educated public.

The use in stores of milk subjected to "commercial pasteurization," is to be condemned. This milk, which has been heated to a temperature varying from 155°-170° F., for a short time, and then cooled, requires subsequently far greater care, because the germicidal or resisting power that existed in it as raw milk, has been lost. Feeding to children "pasteurized" milk, which may have become bacterially contaminated from the careless handling of storekeepers, is a grave danger, and may be followed by serious and even fatal results.

Cambridge has, at present, two sources of certified milk. This milk, which is guaranteed by the Milk Commission of the Cambridge Medical Improvement Society, is produced amid ideal sanitary surroundings, and contains less than 10,000 bacteria per cubic centimeter.

A considerable number of dairies within a short distance of Cambridge are producing milk under reasonably clean conditions. The Inspector suggests that these producers be encouraged in their efforts toward sanitary improvement of the dairies, by being permitted to sell their milk on a sanitary guarantee. Producers and peddlers might receive certificates from the Board of Health or from other selected individuals, stating that the milk offered for sale was produced in a satisfactory manner, and handled with cleanliness and care; that it was well iced and delivered, while fresh, to the consumer. Such milk, which should contain not more than 100,000 bacteria per cubic centimeter, might be termed *prime*, *choice*, *commended* or *inspected milk*.

In this way, the public could be made aware of the most desirable milk supplies, and be willing to pay a price commensurate with the true value of the product. Such a plan would be not only of practical value to the consumer, but would be widely educational in its effect, and tend to eliminate from our city the product of dirty dairies.

VINEGAR.

One hundred samples of vinegar have been examined, including samples offered for sale as cider, syrup, red and white wine vinegar. Of this number, three were found deficient in solids, and warnings were sent in regard to them. The remainder were up to the standard and properly classified.

The public should be informed that cider vinegar has no advantages over the other forms of vinegar, although the majority of people have been accustomed to its use. The value of vinegar lies, of course, in the acetic acid, and this acid occurs in the various forms of vinegar, some of which cost much less than does cider vinegar.

BUTTER.

A routine inspection has been made of every store selling butter, and the storekeepers have been found to show a general compliance with the law regarding the marking of all samples of renovated butter and oleomargarine. Thirty-three samples of suspicious butter have been tested and three were found impure. Each dealer was notified to withdraw all butter of that brand.

Eight dealers are, at present, licensed to sell oleomargarine in our city.

MODIFIED MILK.

The distribution of clean, modified milk to infants, was carried on last summer, from June 30 to September 19.

Because of the abandonment of the Cambridge School of Nursing, the milk was modified in a room in the basement of the City Hall, which was fitted up, at a cost of about $200.00, as a permanent place for the modification of the milk. A new steam sterilizer was installed, which sterilized with live steam at 212° F., all the corks and bottles used in dispensing the milk.

The Advisory Committee, appointed by the Mayor, and consisting of Drs. F. W. Taylor, W. D. Swan, J. P. Fair and Messrs. Archibald M. Howe and J. P. Russell, rendered efficient aid to the Inspector.

To the interest and activity of Miss Schlesinger, who modified the milk, and Miss Clark and Miss Farnham, two nurses from the Cambridge Visiting Association, who dispensed the milk at the stations, was due, in large measure, the successful work of the past summer.

Certified milk was obtained from the Cedar Hill Farm, in Waltham, and over 30,000 bottles were dispensed during the summer to 166 infants. Excluding moribund cases, not one infant who was taking the milk died. Furthermore, the benefit derived from the milk cannot be reckoned in figures, and the gain in weight and strength of many infants, was remarkable. Four modifications were offered for sale, the percentage of the principal constituents, viz., fat, sugar and proteid, being different in each case. The moderate price charged for the milk, enabled a parent to secure a day's supply for an infant, for about eight cents. Frequent chemical and bacteriological examinations were made by the Inspector during the summer, in order to verify the accuracy of the modifications and the cleanliness of the product.

During the summer, among the infants of the city, there were only 54 deaths from enteric disease. (See appended chart.) This number is 10% less than the average number of deaths for the five years preceding the introduction of the infants' milk.

Although the work is philanthropic to a great degree, it is more largely educational. Owing to the distribution of pamphlets on "How to Take Care of Babies During Hot Weather", and because of the words of advice given the mothers by the nurses who dispensed the milk, the mothers are learning how to care better for their babies.

One obstacle to be overcome is public indifference as to the character of the milk supplied to bottle-fed infants. No great interest appears to be taken in the upcome of infant mortality which begins in April, gradually ascends during May and June, suddenly shoots high during the months of July, August and September, and then sharply declines in the autumn. This great fluctuation is due to the rapid increase in that group of diseases known as epidemic diarrhœa,—infections due almost entirely to dirty milk.

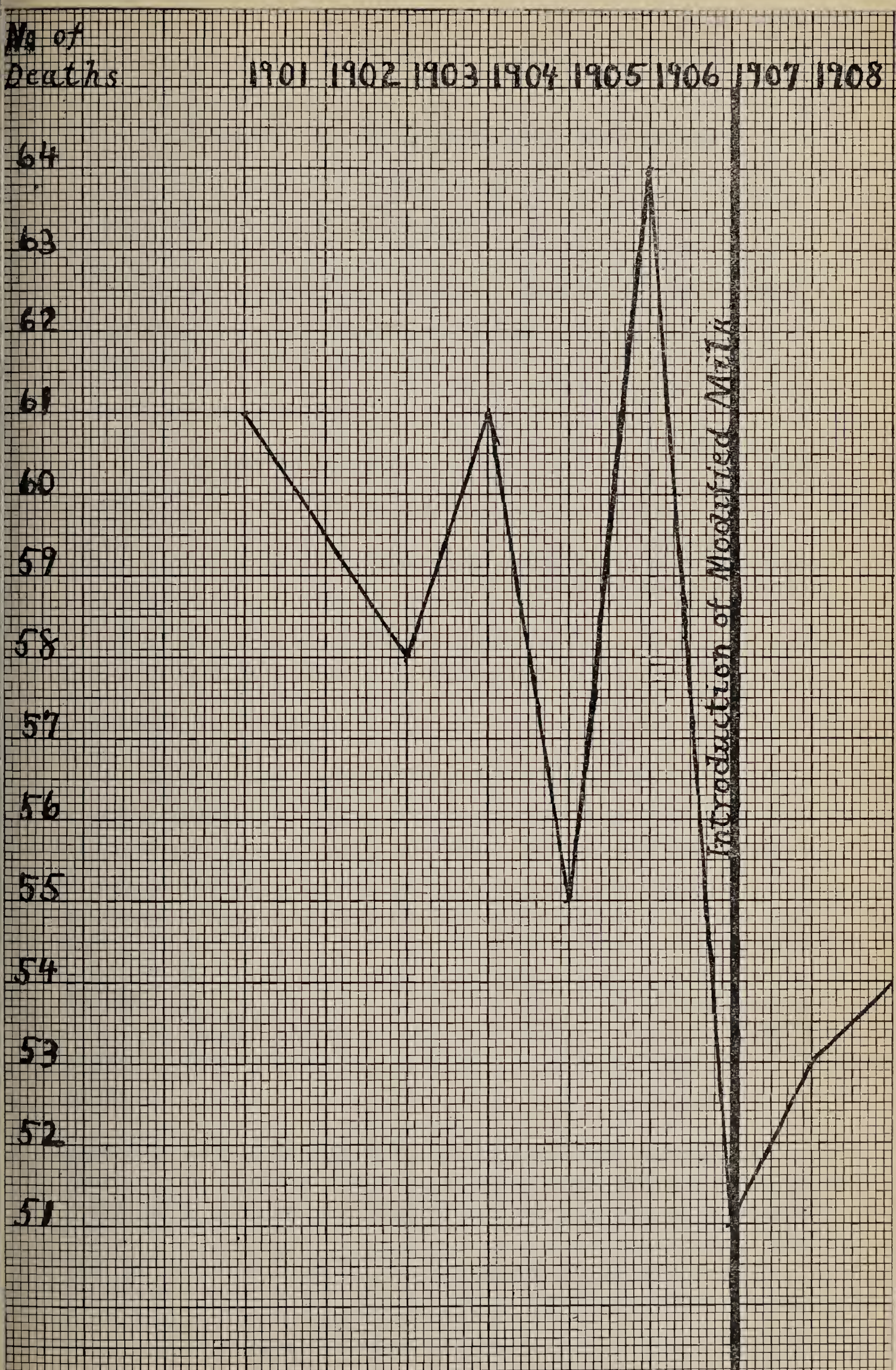
Infant feeding is a subject of vital importance, and Cambridge has done a great work in affording an ideally clean milk to the infants of the city. The enterprise appeals to a considerable number of persons, because it has to do with child life. It is preventive, as well as preservative. The possibilities, however, are infinite, and the milk should be more generally used. The greatest necessity, at present, is

public co-operation, in order widely to advertise the enterprise, and thereby to secure for each bottle-fed infant, that most important of all foods, *clean* milk.

Respectfully submitted,

ERNEST H. SPARROW, M.D.,

Inspector of Milk.


No of Deaths
1901
1902
1903
1904
1905
1906
1907
1908
64
63
62
61
60
59
58
57
56
55
54
53
52
51
Introduction of Modified Milk

REPORT OF THE INSPECTOR OF ANIMALS.

CAMBRIDGE, MASS., APRIL 1, 1908.

To the Honorable, the City Council:—

I have the honor to submit herewith my report as Inspector of Animals and Veterinarian for the four months beginning December 1, 1907, and ending March 31, 1908.

Appropriation		$295 38
Salary	$223 32	
Medicine and drugs	13 50	
		246 82
Surplus		$48 56
Number of visits to the various departments		183
Number of glandered horses killed		6

Respectfully submitted,

CHARLES E. HADCOCK, M.D.V.,

Inspector of Animals.

APRIL 1, 1909.

To the Honorable, the City Council:—

GENTLEMEN:—As Inspector of Animals and City Veterinarian I have the honor to submit my annual report from April 1, 1908, to April 1, 1909.

Appropriation		$850 00
Salary	$700 00	
Medicine	136 50	
		836 50
Balance		$13 50

As required, the cows kept for the production of milk have been examined and are found to be in a healthy condition, only animals brought from outside of the State having been subjected to the tuberculin test.

The increase in the number of cases of glanders during the past year has been very large.

Number of horses killed	72
Released from quarantine	8

The stables have been disinfected, and the watering troughs kept clean where there is a good flow of water, but drinking troughs, like the one at the junction of Sparks and Brattle Streets, are almost impossible to keep clean in warm weather, and are a menace to health.

There have been five (5) cases of rabies among dogs. I have examined twenty-four)24) dogs that had bitten people and who were held as suspicious cases.

Visits to sick and lame horses	623

Respectfully submitted,

CHARLES E. HADCOCK, M.D.V.,

Inspector of Animals.

REPORT OF THE CITY MESSENGER.

OFFICE OF CITY MESSENGER,
CAMBRIDGE, MASS., APRIL 1, 1909.

To the Honorable, the City Council, Cambridge, Mass.:—

GENTLEMEN:—In compliance with the provisions of Section 3 of Chapter 8, of the Revised Ordinances of 1892, as amended to November 8, 1899, the City Messenger has the honor to submit his report for the sixteen months ending March 31st, 1909, as follows:—

	Dec. 1, 1907, to Mar. 31, 1908	Apr. 1, 1908, to Mar. 31, 1909
Stock of stationery on hand	$819 07	$683 56
Purchased during the year	472 60	1,518 19
	$1,291 67	$2,201 75
Delivered as follows:—		
Assessors' Department	$23 50	$74 91
Auditing Department	15 38	39 42
Board of Health	21 91	95 63
Board of Appeal	.....	1 45
Bridge Commissioner	.....	2 00
Cemetery Department	44 49	54 57
City Clerk Department	52 02	183 96
City Council Expenses	.....	30 81
City Messenger Department	35 38	124 35
Clerk of Committees Department	53 17	93 82
Election Expenses (City Clerk)	5 00	98 37
Electrical Department	.....	32 14
Engineering Department	8 10	21 06
Executive Department	47 29	94 42
Fire Department	.....	16 87
Inspector of Milk and Vinegar	5 90	7 75
Law Department	.....	55 75
Overseers of the Poor	37 00	73 00
Park Department	35 03	42 88
Police Department	11 30	43 97
Public Library Department	91 24	111 24
Sealer of Weights and Measures	.....	7 60
Sewer Department	5 27	11 27
Soldiers' Aid Department	6 10	16 26
Street Department	65 10	75 78
Superintendent of Buildings	12 89	54 85
Registrars of Voters	.....	22 54
Treasury Department	15 10	40 62
Water Department	16 94	39 85
Stock on hand (April 1, 1908, and April 1, 1909)	683 56	643 61
	$1,291 67	$2,201 75

During the last sixteen months annual documents have been received from the following cities and towns and are on file in the reference library:—

Arlington, 1907
Bangor, 1908
Belmont, 1907-1908
Beverly, 1907
Boston, 1907-1908
Belmont, 1907, 1908
Brockton, 1906
Chicopee, 1907
Chelsea, 1907
Concord, N. H., 1907
East Orange, N. J., 1907
Elmira, N. Y., Charter, 1906
Everett, 1907
Fall River, 1907
Fitchburg, 1907
Gloucester, 1907
Grand Rapids, Ordinances, 1907
Holyoke, 1907
Haverhill, 1906, 1907
Lawrence, 1907
Lowell, 1907
Lynn, 1907
Malden, 1907
Marlboro, 1907
Man. Mass., Gen. Court, 1908
Medford, 1907
Melrose, 1907
Nashua, N. H., 1907
Newburyport, 1907
New Bedford, 1907
Newport, R. I., 1907
Newton, 1907
North Adams, 1907
Northampton, 1907
Pittsfield, 1908
Portsmouth, 1907
Providence, R. I., 1907
Salem, 1907
San Francisco, 1906-07 (containing history of the earthquake).
Somerville, 1907
Springfield, 1908
St. Louis, Mo., 1907
Taunton, 1907
Watertown, 1908
Winchester, 1908
Woburn, 1907
Worcester, 1908.

Respectfully submitted,

FRANK T. EVANS,

City Messenger.

REPORT OF THE TRUSTEES OF THE SANDERS TEMPERANCE FUND.

To the Trustees of the Sanders Temperance Fund:—

GENTLEMEN:—In compliance with your requirements and past custom, I hereby present my report for the year ending December 31, 1908.

Throughout the year it has been my constant aim to carry out the wishes of the philanthropic donor, namely, giving my full time to the work of advancing the cause of Temperance by all honorable means in my power. Many old drunkards have been helped along towards the leading of a sober, industrious life, and young drunkards have been advised and encouraged, not only to take the pledge of Total Abstinence, but come out from the company of bad companions, join Temperance societies and become associated with a class of people who have their future success in life at heart. I have very carefully looked after the young and the old, and, in order to have my work tell with effect upon their lives, follow them to their homes. Here is where the good word of advice is needed. Sometimes the father, sometimes, I am sorry to say, the mother, leads the way in this awful destructive habit. I admonish, advise, encourage, and have been wonderfully rewarded in very many cases by seeing the father, the mother and the son give up the use of intoxicants. When this is done the home love puts on its rightful appearance. Misery and poverty go out, happiness, peace and contentment come in. It is impossible for me to give but a very faint idea of my year's work. I simply go about with an honest endeavor to reach the needy, and say the right word at the right time, praying God to follow the same with His Divine Blessing. This I realize I must have on all my labors if success is to follow.

I will give a brief summary of the channels through which I have endeavored to reach men, both young and old. First, as is well known, I attend the daily sessions of our District Court, where I come in constant contact with the unfortunate slave of alcohol, most of whom, especially the old drunkards, are well known to me through many years of acquaintance. Through the courtesies and kindness of the Justices, I am able to assist many. I find the time of trouble is the opportune time, and I embrace it. Where I see any hope for a man or a home, I bring it as far as I possibly can to the attention of the

Court. I have done much work during the year with cases of non-support, when complaints come to the attention of the Court. I advise with husband and wife. The drink habit is soon given up which has proven to be the supreme source of all the trouble. The discordant elements disappear, and all is well. Cases of this kind are an almost daily occurrence.

From this class of people, I have had over two hundred evening calls at my office, all of which came for advice as to what they ought to do to get complaints before the Court against their husbands for non-support, drunkenness, etc. More than one-half of the above number have, by taking good advice and kindly warning, kept away from the Court, mending their ways and caring for their families.

I received a letter recently from a man who, some seven years ago, I met in one of our streets on his way to see me. He was in a most pitiable condition, just out of the Island after serving a sentence for drunkenness. He had previously been at the State Farm. This man I once knew as a good mechanic, earning a wood week's wages. The habit of drink came upon him, and soon he went down, and was almost insane through its use. The day I met him he had come to himself. I took him to my house, gave him food and clothing, and, in short, got him back his position. He had a faithful wife who never gave up hope. He remained faithful to his promises to his employers and myself, and after a year earned and saved enough money to take them out West to one of our far-off States. Five years passed since he went away. He informs me in his letter he now owns a nice house, gets $30 a week in a rising position, and blesses the day he met me in his hopeless condition. He says, "I will ever keep the old pledge of Total Abstinence, for the keeping of it I owe under God, all I am and have." Many such letters I receive from men who have been benefited in the same way.

PUBLIC TEMPERANCE MEETINGS.

These meetings have been well attended during the year and many men have been redeemed through their instrumentality from the curse of strong drink. I have been present at almost all of the meetings held, and by my word and example done all in my power to encourage the good work along. I have attended Temperance meetings throughout the year to the number of two hundred and eight, and have seen wonderful results in the lives of men. The outcome in almost every case of reform is steady work, wages turned over to

the wife for the support of the family, new homes come with sobriety, full of happiness and cheerfulness and all that goes with it. I have made throughout the year to the homes, not only of this class, but that of the less fortunate, one thousand eight hundred and sixty visits, and everywhere was hailed as a welcome visitor. I trust the time is rapidly coming when all good people will see the importance of such a work and will willingly come to the front and help on a movement which can show such wonderful results, meaning so much, not only to the home helped, but to the community at large.

CAST-OFF CLOTHING.

For many years past my appeal through the Chronicle and Tribune for cast-off clothing has been answered. I have been enabled through this charity to help many discouraged people. I am deeply grateful to those who have responded, and hope through the cold months of the winter to assist the truly worthy and cover the almost naked.

HOUSE OF CORRECTION.

I have done what I could to encourage the inmates, attended the Chapel services on Sunday mornings at nine o'clock, collected hundreds of thousands of pages of literature for reading matter for the prisoners. For most of this reading matter I am indebted to the Social Committee of the Phillips Brooks House of Harvard College. They have done a good work on this line for the institution.

I have also made numerous visits to the hospitals and other institutions of the city.

NO LICENSE.

Cambridge enjoys the distinction of being the forerunner in the no-license movement, and she well deserves it, for she has been faithful year after year and stood by the white flag of Temperance and purity. Her workers have gone forth to every city in our Commonwealth and other States bearing their testimony as to the benefits we have derived from our long experience as a no-license city. Through our fidelity to the cause, cities all over our Commonwealth have fallen in line until today we are rejoicing in our strength, and year after year these towns and States cry out the rum shops must go and they continue to disappear. We rejoice with the wonderful measure of success that has followed the efforts of our never-to-be-forgotten

Father Scully and his able body of co-workers, who, at the commencement of the work, took such a determined stand. May the day soon dawn when this monster evil in our land will be no more seen amongst us. Then, indeed, will we have less men to reform from the sin of drunkenness. I believe that day is not far distant.

CONCLUSION.

In concluding my report, I may add to what I have already said: I have attended to many calls from outside towns and cities to speak of my work as outlined in this report, sometimes in halls and at other times in churches, where I trust our Cambridge work for Temperance as related by me has had a good effect.

I have also to say my labors in my humble calling have been ably seconded by the clergy of our city of all denominations, so far as I have in any way been brought in contact with them. I have always made it my duty to urge upon the men under my care the great importance of attending Divine Service in the church to which they belong, and this advice in many cases I know of has been followed to their great benefit and that of their families. I also thank all Temperance workers for the noble assistance rendered in our endeavor to save the drunkard and the fallen.

Respectfully submitted,

JAMES HICKS,

Missionary Sanders Temperance Fund.

During the three months from December 31st, 1908, to April 1st, 1909, I have attended to my daily duties through the various channels mentioned in my yearly report.

The District Court work has been most fruitful through the great courtesy extended on all occasions by the presiding Justice and his associates. I have been enabled to help many families to a better understanding of their responsibilities to each other and the community at large. Under the supervision of the Court the work is not hard. I find parents, when they feel they must, become willing to abide by the Probation rules. The work of the Probation officers and what little I can do to assist has brought peace and harmony, and, I might add, prosperity, into hundreds of homes in the course of the fifteen months.

To me a most encouraging feature of the work in our Court is that when reports are made by Probation officers and myself of an encouraging nature in the cases committed to our care, none is more pleased than the presiding Justice himself. I must say that the cause of Temperance, especially the reformation of the drinking man in our city, is greatly helped by the kindly action of our District Court.

I have attended during the three months mentioned thirty-six (36) Public Temperance meetings, spoken at six churches, to young people and others, Arlington, Lynn, Boston and Cambridge. I have advised with many unfortunates during my evening office hours. I have made four hundred and ten visits to unfortunate homes, where I am always gladly received. I have done what I could to encourage poor, fallen humanity.

May God bless His own work.

Faithfully submitted,

JAMES HICKS.

This Board submits herewith the forty-third annual report relative to the administration of the fund nominally under its charge.

As required by the provisions of the bequest of Charles Sanders, donor of the fund, the services of the Missionary have been continued. He has followed out the same work as heretofore described, and has personally labored with many unfortunate victims of the drink habit. He has visited their families and endeavored to alleviate, as far as possible, their sorrows. In the District Court of our city, where many of the cases of drunkenness are arraigned, he has appeared every day, and has made his appeals in their behalf.

The present Missionary, Mr. James Hicks, has had many years of successful experience in the philanthropic work in which he is now engaged, and his sympathetic efforts are appreciated and commended by all who have any knowledge of the service he performs and the field of duty which he covers. In his own report herewith submitted, he recites the story of his work during the past year.

WALTER C. WARDWELL,
EDWARD B. JAMES,
HENRY J. WINSLOW,
Trustees Sanders Temperance Fund.

REPORT OF THE TRUSTEES OF THE BRIDGE CHARITABLE FUND.

The undersigned, *ex-officio* Trustees of the fund before named, present herewith the customary annual report for the fiscal year ending March 31, 1909, it being the thirty-second since the establishment of the fund.

This fund is represented by a deposit in the Cambridgeport Savings Bank, where for many years it has been subject to an annual interest accumulation, as provided by the terms of the several gifts of Levi Bridge and his kinsman, Samuel J. Bridge.

The amount on deposit to the credit of this fund, July 18, 1907, was	$2,506 27
Interest to January 15, 1908	43 86
	$2,550 13
Amount withdrawn by Overseers of the Poor, March 10, 1908	134 57
	$2,415 56
Interest to January 20, 1909	97 56
Amount on deposit to credit of fund March 31, 1909	$2,513 12

Under the provisions of the bequest of Levi Bridge two-thirds of the interest accumulation upon this fund is due and payable to the Overseers of the Poor, and on March 12, 1908, their share of the accumulation to Jan. 12, 1908, being the sum of $134.57, was withdrawn from the bank and paid over to that board.

As shown in the above statement, the amount of interest added since the last report is as follows:

To January 15, 1908	$43 86
To January 21, 1909	97 56
	$141 42
Two-thirds of the latter sum due Overseers of the Poor	65 04
Net addition to fund	$76 38
The amount due the Overseers of the Poor up to Jan. 18, 1909, is	$65 04
Amount now on deposit	$2,513 12
Less due Overseers of the Poor	65 04
Actual amount belonging to the fund	$2,447 08

Though the actual increase of this fund is by slow degrees, there is an element of profound satisfaction in the assurance that in the not distant future there will be a large sum in the control of this city, upon which it may largely depend for material aid in the support of the deserving poor which we have "always with us." Thus, out of the small benefaction of an humble and unpretending citizen, the less prosperous amongst us, irrespective of color, race or religious creed, may ask and receive a generous help from the coffers of the city.

Some of our citizens have become sufficiently interested in the existence of the "Bridge foundation" to acquaint themselves with its history. The story was recited in the report for the year 1876, on page 152 of the City Document of that year. The Trustees for the year 1909 would urgently call attention to that record in the hope that other philanthropic persons may be prompted to add to the fund their generous contributions.

WALTER C. WARDWELL,
EDWARD B. JAMES,
HENRY J. WINSLOW,
Trustees of Bridge Charitable Fund.

REPORT OF THE AGENT OF SOLDIERS' AID.

To the Honorable, the City Council of the City of Cambridge:—

GENTLEMEN:—I herewith submit the fifth annual report of Department of Soldiers' Aid, with accounts of receipts and disbursements for the sixteen months ending March 31, 1909. The work of this department is done under the guidance of a committee from the Board of Aldermen, and under the provisions of Chapter 79 of the Revised Laws of the year 1902, as amended by Chapter 381, Acts of the year 1904, and as further amended by Chapter 468, Acts of 1909.

In accordance with the provisions of the City Charter of the City of Cambridge as amended, the financial year began April 1, 1908, leaving four months from November 30, 1907, for which no report had been made, therefore two separate financial statements are hereby submitted.

First statement, from November 30, 1907, to April 1, 1908:—

Number of beneficaries Nov. 30, 1907	478	
Added during the four months to April 1, 1908	22	
	500	
Dropped by death and from other causes	21	
Balance on rolls		479
EXPENDED.		
Pay-rolls, State Aid	$4,910 00	
Pay-rolls, Military Aid	288 00	
Pay-rolls, Soldiers' Relief	4,340 00	
Clerk's salary	162 52	
Burials	370 00	
Sundry bills, groceries, fuel, etc.	424 28	
		$10,494 80

Second statement, from April 1, 1908, to April 1, 1909:—

Number of beneficiaries April 1, 1908	479	
Added during the year	39	
	518	
Dropped by death and from other causes	37	
Balance on rolls		481
Appropriation	$30,000 00	
Additional, March 2, 1909	1,700 00	
Total appropriation		$31,700 00

EXPENDED.

Pay-rolls, State Aid	$14,266 00	
Pay-rolls, Military Aid	898 00	
Pay-rolls, Soldiers' Relief	13,128 00	
Clerk's salary	504 14	
Burials	1,073 00	
Sundry bills, groceries, fuel, etc.	1,807 06	
		$31,676 20
Relinquished to treasury		$23 80

Great care has been exercised during the past year to keep within the appropriation, and the committee has carefully considered each case before making any recommendation thereon, but as the veterans and widows advance in age, their disabilities become more apparent, and more aid is needed, and in accordance with the laws of the Commonwealth they must be cared for. While it may be possible that mistakes have been made, it has been thought better to let one unworthy case pass than to cause a number to suffer.

The matter of caring for the wives of veterans who become totally incapacitated is a hard problem, as the law reads that "they shall not be required to receive such relief at an almshouse or public institution," and yet that is the only place where they can be cared for. I am still of the opinion, as cited in my report of 1907, that it were far better for those veterans having no family ties, and who are unable to earn a livelihood, to enter some Soldiers' Home, where they can be comfortably cared for.

I desire to extend to the Committee on Soldiers' Aid my thanks for the courtesy which has been extended by them to the veterans, and for the willingness they have shown to assist each and every worthy applicant.

Respectfully submitted,

EBEN W. PIKE,
Clerk and Agent Soldiers' Aid.

REPORT OF THE CHIEF OF POLICE.

To the Honorable, the Mayor, and the City Council of the City of Cambridge:—

GENTLEMEN:—In compliance with the City Ordinance, I have the honor to present the report showing the work of the Police Department for the sixteen months from December 1st, 1907, to April 1st, 1909.

Number of arrests for the four months from December 1st, 1907, to March 31st, 1908			1,472
Males	1,380	Adults	1,046
Females	92	Minors	426
Non-residents	365		
And for the municipal year from April 1st, 1908, to March 31st, 1909			4,328
Males	3,983	Adults	3,247
Females	345	Minors	1,081
Non-residents	1,109		

The offences for which arrests have been made are as follows:—

Attempt to rescue prisoner	2	Burglar tools in his possession	1
Abandoning child	1	Bastardy	32
Abandoning wife and child	2	Bigamy	3
Allowing minors in pool-room	1	Breaking and entering	122
Attempt to commit larceny	3	Buying junk from minors	1
Adultery	8	Buying second-hand articles without license	1
Attempt to burn building	1	Breaking glass	3
Arson	8	Breaking and entering a railroad car	6
Assault with attempt to rob	6	Capias	94
Assault and battery	352	Carrying concealed weapons	23
Assault, attempt to commit rape	2	Common drunkards	52
Aiding an abortion	3	Contempt of court	8
Admitting children to show	1	Conveying leased property	4
Accessory to larceny	1	Cruelty to dumb animals	19
Accessory before fact, abortion	1	Conspiracy	3
Assault indecent	1	Destroying city property	1
Assault felonious	8	Defacing	8
Assault with intent to kill	1	Disorderly conduct	2
Assault with dangerous weapon	10	Disturbance of peace	457
Assault on officer	10	Disturbance on street car	25
Assault with intent to steal	3	Disturbance on railroad train	3
Attempt to break and enter	5	Drunkenness	2,530
Abortion	2	Discharging firearms	3

Defacing a building	3
Disturbing a religious meeting	6
Escaped prisoners	13
Evading car fare	32
Exposure of person	5
Enticing a minor to marry	1
Employing a child under 14 years	3
Fornication	5
Failing to file certificate of firm	1
False imprisonment	1
False registration of liquor	1
Forgery	1
Giving false alarm of fire	5
Gambling or present at on Lord's day	169
Gaming in a public place	20
Highway robbery	1
Interrupting a funeral procession	1
Idle and disorderly	6
Illegal transportation of intoxicating liquors	26
Illegal sale of liquor	10
Insane	31
Injuring personal property	9
Injuring shade trees	2
Impersonating a doctor	1
Keeping a gaming nuisance	2
Keeping shop open on Lord's day	1
Keeping uncollared dog	2
Keeping a house of ill fame	1
Keeping unlicensed dog	13
Keeping a dangerous dog	1
Keeping liquor with intent to sell	4
Keeping junk shop without license	1
Keeping liquor book contrary to law	3
Keeping a barking dog	1
Larceny from the person	7
Larceny	539
Larceny from a building	26
Lewd and lascivious co-habitation	19
Liquor nuisance	17
Loitering	8
Larceny from railroad car	1
Malicious mischief	14
Manslaughter	6
Murder	1
Malicious injury to real estate	3
Neglect of minor children	5
Neglected children	71
Neglect to provide scales for ice wagon	1
Non-support	102
Not sending child to school	1
Obstructing an officer in the discharge of duty	1
Obstructing highway	1
Obtaining money by false pretences	1
Obstructing street car	3
Peddling without a license	66
Permitting illiterate child to peddle	1
Promoting a lottery	1
Playing ball on the Lord's day	16
Perjury	4
Putting explosive on railroad track	1
Practicing as physicians without registration	2
Receiving stolen goods	40
Refusing to assist an officer	1
Robbery	1
Soliciting liquor sales	1
Setting up and promoting a gaming device	2
Spitting on sidewalk	4
Setting fire to a railroad car	2
Surrender bail	4
Safe keeping	23
Stubborn children	37
Selling fireworks without license	1
Stoning railroad train	1
Suspicious persons	39
Selling obscene pictures	1
Selling goods by illegal measure	2
Selling tobacco to minors	1
Selling cigarettes to minors	2
Selling leased property	1
Selling coal without license	1
Selling papers without license	1
Threatening	5
Tampering with a fire alarm	1
Tampering with a railroad signal	7
Trespass	12
Tramp	12
Truants	2
Violation of probation	80
Violating auto laws	50
Violating city ordinances	138
Violation of liquor law	9
Violating milk law	18
Violating rules of Board of Health	12
Violating Park rules	14
Violating pure food law	10
Violating labor law	1
Vagrants	69

Unlawfully using registered bottles	1	Unlawful use of milk cans	1
Unlawful appropriation of horse and wagon	7	Working on Lord's day	2
		Wilful trespass	23
		Walking on railroad tracks	28

NATIVITY OF PRISONERS.

United States	3,468	Syria	3
Italy	118	South Africa	1
Ireland	1,017	Greece	16
British Provinces	398	Cuba	5
Sweden	83	Russia	245
West Indies	15	Poland	72
Newfoundland	49	Norway	4
England	108	East Indies	1
Germany	25	Turkey	29
Scotland	49	Portugal	48
Jamaica	2	Roumania	1
Arabia	2	Austria	14
France	3	Asia	2
Armenia	5	Hawaiian Islands	1
Finland	12	India	1
Holland	2	China	1

OCCUPATION OF PRISONERS.

Actors	1	Cigar manufacturers	6
Attorneys	1	Compositors	5
Agents	25	Caterers	1
Apprentices	12	Carvers	5
Architects	2	Coachmen	10
Auto dealers	6	Carpenters	123
Artists	1	Contractors	6
Bookkeepers	4	Constables	2
Butchers	24	Chauffeurs	22
Brush makers	4	Carriagemakers	2
Buffers	1	Clothiers	3
Boatsmen	2	Curriers	7
Brokers	1	Confectioners	21
Blacksmiths	40	Cutters	2
Brick manufacturers	2	Chemists	1
Bakers	40	Coppersmiths	2
Bartenders	10	Corporations	2
Billposters	4	Druggists	13
Bookbinders	11	Drug clerks	2
Broommakers	3	Domestics	51
Bellboys	6	Draughtsmen	2
Basketmakers	1	Dressmakers	1
Bricklayers	1	Engineers	18
Barrel dealers	1	Electricians	22
Brass finishers	11	Employment men	1
Brakemen	14	Engravers	2
Bootblacks	2	Expressmen	40
Barbers	28	Electrotypers	2
Boilermakers	14	Elevator men	6
Cabinetmakers	13	Firemen	38
Cooks	44	Fishermen	7
Clerks	107	Foremen	6
Conductors	14	Farmers	19
Coopers	25	Florists	12

Gardeners	22	Plasterers	17
Gasfitters	5	Polishers	21
Glassworkers	19	Pool room keepers	1
Galvanizers	2	Pumpmakers	2
Horse dealers	9	Painters	139
Hostlers	33	Packers	3
Housework	266	Pianoworkers	23
Harnessmakers	7	Rubberworkers	91
Iron workers	31	Roofers	12
Icemen	4	Real estate dealers	4
Janitors	8	Reporters	2
Junk collectors	33	Rope makers	3
Jewelers	2	Riggers	1
Laundresses	10	Salesmen	34
Leatherworkers	3	Scholars	747
Laundrymen	4	Steamfitters	19
Lathers	8	Sailors	16
Locksmiths	1	Singers	1
Letter carriers	1	Shippers	13
Laborers	1,632	Surveyors	2
Machinists	94	Shoemakers	53
Metalworkers	8	Stevedores	2
Motormen	4	Stonecutters	17
Milliners	2	Students	26
Milkmen	18	Storekeepers	71
Masons	39	Tailors	19
Moulders	38	Tinsmiths	15
Messengers	30	Tobacconists	1
Musicians	6	Telegraph operators	2
Mill hands	18	Trunkmakers	1
None	360	Teamsters	400
Nurses	3	Upholsterers	11
Nickelplaters	2	Undertakers	1
Opticians	2	Wool dealers	1
Plumbers	50	Waitresses	4
Porters	9	Wheelwrights	1
Printers	40	Woodchoppers	1
Poultry dealers	1	Wireworkers	16
Paperhangers	5	Watchmen	3
Peddlers	152	Woodworkers	41
Physicians	9	Waiters	33
Pugilists	2		

MISCELLANEOUS BUSINESS.

Accidents	197	Defective fire alarms and clocks	2
Buildings found open and secured	317	Defective water pipes	109
Cases investigated	3,270	Defective hydrants	47
Dangerous buildings	2	Defective lamps	2,712
Dead bodies found	19	Defective poles	5
Defective trees	29	Fire alarms given	22
Defective wires	106	Fires extinguished without alarms	49
Defective streets and sidewalks	1,546	Lost children restored	376
Disturbances suppressed	187	Sick and injured persons assisted	184
Dogs killed	144	Stray teams put up	41
Defective catch basins	63	Street obstructions removed	38
Defective drains and vaults	6	Water running to waste	50
Defective gas pipes	15		

SIGNAL SYSTEM.

Duty calls by officers from boxes	353,784
Telephone calls from boxes	24,680
Wagon calls	2,847
Miles run	5,494
To fires	5
Sick and injured to hospital in patrol	119
Sick and injured to home in patrol	25
To court with prisoners	104

AMBULANCE.

The ambulance has been called to four hundred and eighty-four emergency cases of accidents and sickness, and one hundred and eight removals of sick people for the overseers of the poor.

CITY PROPERTY IN USE BY POLICE DEPARTMENT.

Police Headquarters.

8	roll top desks	$150 00	
1	letter scale	1 00	
1	index card case	50 00	
11	chairs	5 50	
1	rogues' gallery	50 00	
2	book cases	5 00	
1	umbrella stand	50	
1	typewriter	35 00	
2	tables	5 00	
1	copy press	5 00	
3	rugs	6 00	
1	clothes press	15 00	
3	maps	1 50	
3	waste paper baskets	75	
	Law books	25 00	
1	directory		$ 5 00
1	dictionary		5 00
I	couch		5 00
1	telephone line		300 00
6	ink stands		1 50
5	revolvers		20 00
5	badges		3 50
1	camera stand		5 00
1	print washer		1 80
1	glass tunnel		20
2	graduates		1 00
1	linene glass		3 00
1	Bertillon book		4 00
1	finger print book		1 00

Station 1.

2	desks	$10 00	
17	chairs	15 00	
2	tables	5 00	
8	dippers	1 60	
3	clocks	3 00	
1	safe	20 00	
4	lanterns	3 00	
3	ink stands	1 50	
1	feather duster	25	
1	watering pot	25	
4	iron beds and clothing	20 00	
6	towels	50	
6	cuspidors	90	
3	rugs		$6 00
2	mirrors		3 00
1	medicine cabinet		25 00
1	directory		4 00
1	signal system machine		3,000 00
35	revolvers		140 00
35	billies		24 00
35	belts		24 00
35	badges		24 00
35	diaries		15 00
35	rules and regulations		15 00
2	bicycles		10 00
1	pair handcuffs		4 00

Sub-station 4.

10	lanterns	$8 00	
200	feet of fire rope	10 00	
1	set grappling irons	3 00	
1	ice water tank	2 00	
6	chairs	6 00	
2	settees	6 00	
6	cuspidors	1 20	
4	desks	20 00	
1	clock	2 00	
	Law books	25 00	
3	ink stands	75	
1	pair handcuffs	4 00	
4	tin dippers	$ 80	
1	directory	5 00	
1	United States flag	10 00	
26	police billies	18 00	
26	badges	18 00	
26	revolvers	104 00	
26	diaries	11 00	
26	books, rules and regulations	11 00	
2	mats	2 00	
3	bicycles	30 00	

Wagon House.

1	horse	$250 00	
1	wagon	50 00	
1	harness	30 00	
1	extra collar	10 00	
4	blankets	8 00	
1	wagon jack	1 00	
2	stable forks	1 00	
4	galvanized barrels	4 00	
2	pails	50	
1	clock	1 00	
1	shovel	$ 50	
1	grain chest	10 00	
10	bushels oats	6 30	
1	mirror	1 00	
24	feet of hose	5 00	
2	beds and clothing	10 00	
1	sleigh	25 00	
1	old patrol wagon at city stables	10 00	

Station 2.

3	desks	$25 00	
6	cuspidors	60	
12	chairs	15 00	
2	clocks	2 00	
2	settees	2 00	
1	iron safe	25 00	
6	lanterns	5 00	
1	oil can	35	
1	ice water tank	1 00	
4	dippers	80	
1	signal system machine	3,000 00	
6	wire mats	5 00	
4	rugs	3 00	
3	ink stands	75	
39	revolvers	156 00	
39	billies	25 00	
39	belts	25 00	
39	badges	$25 00	
39	diaries	16 00	
39	books, rules and regulations	16 00	
3	sets grappling irons	9 00	
1	medicine cabinet	15 00	
1	operating table and chair	20 00	
3	tables	6 00	
1	mirror	2 00	
4	waste paper baskets	1 00	
1	umbrella stand	1 00	
1	bookcase	3 00	
2	bicycles	20 00	
1	pair handcuffs	4 00	
1	clothespress	5 00	

Wagon House, Station 2.

2	horses	$400 00	
1	wagon	475 00	
1	ambulance	50 00	
2	harnesses	50 00	
2	horse blankets	10 00	
7	ambulance blankets	14 00	
2	wagon jacks	2 00	
3	brushes	$ 75	
3	curry combs	75	
3	pails	75	
2	brooms	50	
2	wagon robes	2 00	
2	stable forks	1 00	
1	shovel	50	

4 galvanized barrels	4 00	1200 pounds hay	12 00
1 step ladder	50	200 pounds straw	2 25
1 riding saddle	2 00	50 pounds shorts	60
2 stretchers	2 00	1 spare patrol wagon in storage	50 00
1 washtub	50		
20 bushels oats	13 00		

Station 3.

1 signal system machine	$3,000 00	1 water pail	$ 25
4 desks	4 00	1 ice water tank	1 50
1 bookcase	10 00	8 dippers	1 60
2 tables	2 00	2 inkstands	1 00
9 chairs	5 00	4 lanterns	3 00
2 clocks	3 00	1 pair handcuffs	4 00
3 mirrors	3 00	1 directory	4 00
2 shovels	1 00	31 billies	21 00
1 brush broom	25	31 revolvers	120 00
1 thermometer	50	31 badges	21 00
1 window brush	50	31 diaries	15 00
3 waste paper baskets	50	31 books of rules and regulations	15 00
4 cuspidors	60		

Wagon House, Station 3.

2 horses	$300 00	1 table	$1 00
1 wagon	400 00	2 horse blankets	2 00
1 van	200 00	2 robes	4 00
3 sets of harness	60 00	2 sets grappling irons	6 00
2 stable forks	1 00	7 galvanized cans	3 00
1 wagon jack	1 00	1 shovel	1 00
2 horse brushes and comb	2 00	25 bushels oats	15 75
2 grain measures	50	95 pounds shorts	1 00
2 beds and clothing	5 00	50 pounds straw	50
1 desk	2 00	100 pounds hay	1 00
1 clock	1 00	47 pounds oil meal	60
1 mirror	1 00		

In the Inspector's Department from December 1st, 1907, to March 31st, 1908, there has been:—

Property reported stolen		$1,972 00
Property recovered		1,118 00
Cases investigated	283	
Civil matters investigated for City Solicitor	28	
Number of arrests	34	

Disposition.

Convictions	21
For other departments	4
Nol prossed by District Attorney	1
Not guilty	5
Suspicious persons discharged from station	4

And for the year from April 1st, 1908, to March 31st, 1909, there has been:—

Property reported stolen		$8,091 00
Property recovered		5,250 00
Cases investigated	980	
Civil matters investigated for City Solicitor	88	
Number of arrests	93	

Disposition.

Convictions	51
For other departments	15
Nol prossed by District Attorney	5
Cases pending	3
Not guilty	12
Suspicious persons discharged from station	7

Appropriations and Expenditures for General Supplies for the four months from December 1st, 1907, to March 31st, 1908.

Appropriation		$2,479 84

Expended.

For ambulance repairs	$41 52	
Ash barrels	11 00	
Atlas, directories and Year Book	26 50	
Badges and repairs	33 45	
Car tickets	100 00	
Care and repair of station houses	140 11	
Cloth, buttons and trimmings for uniforms	191 69	
Clubs	9 00	
Collars	4 80	
Disinfectants, insecticides, etc.	15 60	
Firearms and repairs	39 48	
Food for prisoners	21 39	
Furniture, furnishings and repairs	47 68	
Hardware, tools and supplies	90 81	
Harness and repairs and horse clothing	39 95	
Hay, grain and straw	264 59	
Horse	265 00	
Horse shoeing	72 25	
Ice	44 70	
Lighting	375 92	
Numbers	5 00	
Photographs	5 00	
Refunds on minors' license badges	12 90	
"Revised Laws"	12 00	
Services of physician	3 00	
Stationery, printing and office supplies	224 13	
Telephone service	107 60	
Towel supplies	13 56	
Traveling expenses	14 65	
Use of horse	37 00	
Wagon repairs	32 35	
Sundries	5 03	
Total		2,307 65
Surplus of appropriation relinquished to general treasury		$172 19

And for salaries for the same period:

Appropriation		$52,983 29

Expended.

Chief	$833 32	
Deputy Chief	500 00	
Chief Inspector	466 64	
Captains	1,399 92	
Lieutenants	3,791 55	
Sergeants	3,016 00	
Patrolmen	32,414 50	
Reserve officers	3,723 25	
Drivers	2,247 50	
Matrons	255 00	
Pensions	1,776 32	
Allowed to officers on sick leave	969 05	
Allowed on account of injuries received	64 50	
Total		51,462 55
Surplus to general treasury		$1,520 74

Appropriation and Expenditures for General Supplies for the year from April 1st, 1908, to March 31st, 1909.

Appropriation	$7,200 00
Transferred from salaries for new wagons	950 00
Total amount of appropriation	$8,150 00

Expenditures.

Allowed for injury to clothing	$6 50
Analysis	12 00
Buttons	52 50
Cleaning stations	313 50
Clipping horses	11 00
Cloth	838 14
Diaries	121 75
Directories	24 00
Disinfectant	27 00
Expressing	2 40
Electric light	402 07
Food	58 76
Furniture	149 68
Gas light	621 09
Heating	890 00
Horse shoeing	176 75
Hay and grain	724 49
Ice	61 50
Laundry	50 47
Medical attendance and medicine	22 29
New vehicles	950 00
Printing	172 75
Repairs on vehicles	411 45
Repairs on bicycles	108 50
Repairs on buildings	155 26
Repairs on harnesses	51 70

Revolvers and repairs	120 32	
Supplies for stations	501 35	
Traveling expenses	254 75	
Telephone and telegrams	409 12	
Total		7,701 09
Surplus of appropriation relinquished to general treasury		$448 91

And for salaries for the same period:

Appropriation	$162,500 00
Transferred to general expenses	950 00
Total amount of appropriation	$161,550 00

Expended.

Chief	$2,500 00	
*Deputy Chief	125 00	
Chief Inspector	1,400 00	
Captains	4,200 00	
Lieutenants	11,700 00	
Sergeants, patrolmen, reserve officers, drivers and matrons	131,093 95	
Allowed to officers and drivers on sick leave	1,855 62	
Pensions	6,687 82	
Allowed on account of injuries received	192 25	
Total		159,754 64
Surplus to general treasury		$1,795 36

*Died April 9th, 1908, and office abolished.

MEMBERSHIP.

The membership of the Department is as follows:—

Chief.

Frederick B. Pullen Jan. 2, 1871

Captains.

John F. Murray Jan. 8, 1873 James E. Murray May 18, 1870
John J. McBride April 27, 1887

Chief Inspector.

Capt. Patrick J. Hurley Oct. 20, 1886

Inspectors.

Lieut. James A. Cox Dec. 22, 1896 Lieut. John W. Deehan Dec. 27, 1882
Lieut. Michael Neilan Dec. 28, 1887

Lieutenants.

James S. Alexander	Feb. 25, 1874	Charles L. Pike	Feb. 11, 1880
Herbert Gordon	Nov. 21, 1893	David A. Stevens	Jan. 15, 1879
James P. Hall	April 27, 1884	Michael J. Brennan	April 14, 1884

Sergeants.

James E. McNulty	Feb. 19, 1889	James L. McElroy	Dec. 27, 1882
Patrick F. Murray	April 7, 1884	Orrin B. White	Feb. 18, 1880
James M. Keaney	Jan. 19, 1881	Wm. H. McMenimen	April 21, 1880
Frederick A. Robinson	April 7, 1884	John J. Canney	May 28, 1901
Charles F. Aberle	April 30, 1895		

Patrolmen.

Richard H. Aylward	Dec. 30, 1890	Augustus J. Largenton	July 18, 1903
William H. Aberle	Sept. 6, 1898	Frederick W. Law	June 30, 1891
George T. Barrington	May 3, 1882	Frank D. LaMarche	May 29, 1900
William F. Biggane	April 3, 1906	Timothy Lehane	April 3, 1906
Elbridge S. Blen	May 3, 1882	George J. Mahoney	Dec. 28, 1897
Charles E. Bradley	May 29, 1900	John P. Maloy	Sept. 17, 1889
Ernest E. Blanchard	May 28, 1901	Edward J. McCabe	April 12, 1892
Thomas F. Burke	April 26, 1904	Charles J. McCann	May 21, 1889
Thomas M. Campbell	Oct. 24, 1896	John E. McCrehan	April 27, 1884
Edward J. Comerford	July 1, 1890	Richard M. McFadden	Aug. 8, 1899
Andrew Conlan	April 3, 1906	William N. Mullens	Feb. 23, 1892
Timothy Corcoran	Jan. 7, 1880	Peter J. Murphy	April 26, 1904
Robert G. Culhane	July 18, 1903	Bernard McCaffery	June 30, 1891
Thomas F. Coady	April 1, 1902	Robert E. Mullen	Nov. 14, 1893
Timothy Crane	Nov. 6, 1903	Michael McMahon	April 25, 1905
Patrick Doyle	Jan. 3, 1877	Joseph F. McCorry	Sept. 15, 1891
Anton B. Diehl	Aug. 8, 1899	Jeremiah H. McCarthy	April 7, 1886
Thomas F. Dynan	May 31, 1882	William F. McKeown	April 12, 1892
Patrick F. Dunlea	April 26, 1898	Simon J. Mulvaney	Feb. 23, 1892
Joseph F. Doherty	April 26, 1904	Patrick H. McNamara	Oct. 25, 1904
Harry W. Davis	July 23, 1901	John P. Neilan	Aug. 8, 1899
Joseph J. Donahue	April 26, 1904	Maurice P. Nelligan	Dec. 26, 1905
Robert J. Douglass	April 26, 1904	John J. O'Brien	April 26, 1904
Frederick M. Ellis	Dec. 27, 1897	Joseph W. Parks	Dec. 28, 1897
Joseph H. Furbush	Feb. 11, 1880	Charles H. Presho	Feb. 4, 1896
James B. Forristall	Feb. 23, 1892	John F. Powers	April 26, 1904
Lochlin Gavin	April 26, 1904	George A. Patten	April 26, 1904
John F. Green	July 20, 1905	Bernard J. Roper	May 3, 1882
John J. Griffiths	Oct. 20, 1884	Thomas J. Real	June 16, 1884
William B. Ginty	Mar. 24, 1903	Ralph R. Rice	Feb. 18, 1896
Francis H. Gutoski	July 26, 1904	John W. Roberts	Feb. 6, 1900
William H. Hill	Dec. 28, 1897	William H. Robertson	June 30, 1891
James H. H. Holt	Dec. 28, 1887	Thomas P. Rowe	April 12, 1892
Edward F. Horrigan	Aug. 8, 1899	William H. Rowe	May 24, 1892
Patrick J. Healey	May 3, 1904	Thomas J. Shannon	July 26, 1904
Benjamin F. Higgins	Jan. 22, 1879	Thomas Shea	May 13, 1902
John A. Hezlitt	April 12, 1892	Cornelius Sheehan	June 2, 1903
Mortimer M. Hackett	Nov. 28, 1893	Cornelius Sullivan	April 7, 1884
William H. H. Howe	Dec. 23, 1890	John J. Sheehan	June 2, 1903
Jerome D. Ireland	May 31, 1904	Benjamin C. Scully	Jan. 16, 1894
Dexter Jewett	June 3, 1890	Joseph H. Shannon	May 24, 1904
Joseph Kelley	April 3, 1906	Joseph F. Tansey	April 3, 1906
Michael J. Kelley	May 28, 1901	Joseph C. Temple	Nov. 17, 1896

Patrick D. Kelley	Mar. 8, 1904	David L. Walch	Aug. 8, 1899
John Kelleher	Dec. 28, 1897	David H. Walch	Oct. 27, 1896
Dennis F. Leahy	Feb. 20, 1894	Edward J. Welch	Nov. 14, 1893
Timothy F. Leahy	Sept. 6, 1898	John E. Winslow	Jan. 22, 1889
Patrick E. Moylan	June 26, 1906	Charles W. Wyman	May 3, 1898

Reserve Officers.

John W. Kelley	June 26, 1906	William J. Haley	May 5, 1908
Lawrence P. Dempsey	June 26, 1906	Michael J. Curran	May 5, 1908
Frank Andrews	June 26, 1906	William L. O'Dell	June 10, 1908
John Walsh	Dec. 12, 1906	David E. Lynch	June 24, 1908
John M. Ackerly	Dec. 12, 1906	Manuel G. Mello	Sept. 20, 1908
Edward C. Gordon	Dec. 12, 1906	Daniel J. Horgan	Nov. 23, 1908
Frank J. Fabry	May 5, 1908	William N. Andrews	Nov. 23, 1908
John F. Cummings	May 5, 1908	William A. Curtin	Jan. 13, 1909
John T. Mullalley	May 5, 1908	John J. Guthrie	Mar. 31, 1909

Drivers.

John Coffey	John J. McCauley	John T. Cook
Warren H. Dow	Frederick McLaughlin	Dennis J. Sullivan
William F. Ward		John Sullivan

Matrons.

Mary McEachern Catherine E. Goodwin

Pensioners.

Lothrop J. Cloyes	Charles C. Marston	Frank W. Scobey
Henry C. Jones	Michael A. Ginty	John W. Skelley
Edward F. Belcher	John Coulter	Charles W. Priest
William H. Graves	Frederick Apel	Fred L. Ladd
	Michael J. Conry	

The Department organization is 1 chief, 3 captains, 1 chief inspector with rank of captain, 6 lieutenants, 3 inspectors with rank of lieutenants, 9 sergeants, 96 patrolmen and 18 reserve patrolmen.

There are employed in the Department 8 wagon and ambulance drivers, and 2 matrons.

Assignments are as follows:—

Headquarters.

1 chief, 1 chief inspector, 3 inspectors, 1 patrolman as photographer, finger print operator, property clerk and general duty.

Division One, Station 1.

1 captain, 1 lieutenant, 2 sergeants, 27 patrolmen, 4 reserve patrolmen, 1 patrolmen assigned to permanent duty in the public library, a

total of 35. Two matrons are attached to this station, which is the station designated by the Mayor for the detention of women.

Division One, Sub-Station 4.

1 lieutenant, 3 sergeants, 19 patrolmen and 3 reserve patrolmen, a total of 26. Two patrol wagon drivers are attached to this station.

Division Two, Station 2.

1 captain, 2 lieutenants, 2 sergeants, 27 patrolmen and 6 reserve patrolmen. Total, 39. Four ambulance and patrol wagon drivers are attached to this station.

Division Three, Station 3.

1 captain, 2 lieutenants, 2 sergeants, 20 patrolmen and 5 reserve patrolmen and 1 patrolman assigned to permanent duty at City Hall. Total, 31. Two patrol wagon drivers are attached to this station.

Number of days lost by sergeants, patrolmen, reserve patrolmen and drivers, without pay, from illness and other causes, for the four months, from December 1st, 1907, to March 31st, 1908, were 395

and for the same cause from April 1st, 1908, to March 31st, 1909, were 1,406

On my recommendation, in the latter part of the year 1907, an order was passed by the Board of Aldermen dividing Police Division 1 (which includes nearly half of the area of the city), making a new Police Division out of Wards 10 and 11. This order was vetoed by His Honor the Mayor, as in his opinion the financial condition of the city would not warrant the extra expense involved. Knowing the conditions prevailing in that section of the city from the rapid increase in population in the last few years, and feeling that a great improvement could be made in the manner of doing the work there, and the safety of the citizens more efficiently looked after, I assigned a lieutenant to the immediate command of the officers assigned for duty in the part of the division north of Linnaean and Forest streets, with his office at Sub-station 4, but under the general charge of the captain of the division. I also installed a patrol wagon at this station, using the stable, and proposing to use the sleeping quarters vacated by the engine company, which, with some alterations and repairs, will make a com-

fortable place for the drivers and horses. This arrangement, which I expected would result in a great improvement in the general conditions and to the better protection of the persons and property of the citizens, has proved of far greater benefit than I anticipated, and has justified my action in making the change beyond my expectation, as will be shown by comparing the report of the work done by officers connected with this station the year previous to the change and the year following. I have also received assurances from many citizens of that section of the city of their feelings of greater security from the fact that the streets were better patrolled than formerly, and that there were officers at all hours on duty at the staion, which was connected by district telephone service, so that in a few minutes they could have the assistance required in case of need. Much less annoyance has also been experienced late at night, especially along Massachusetts Avenue in the vicinity of the railroad crossing and car barns from late arrivals by steam and electric cars who were in a more or less argumentative condition, by the fact of sergeants being on street duty, who are held responsible for any lack of good order prevailing there.

The comparative report follows. New arrangement went into effect January 20, 1908:—

Work of the year before. Jan. 20, '07, to Jan. 20, '08.		Work of the year following. Jan. 20, '08, to Jan. 20, '09.
3	Violating liquor law	17
4	Larceny	60
4	Assault and battery	28
0	Breaking and entering	39
0	Receiving stolen property	8
0	Gaming on the Lord's day	37
0	Impersonating physician	2
53	Drunkenness	177
0	Violating railroad law	41
130	Number of arrests	665
$365	Amount of fines imposed	$3427

Miscellaneous business in the same period:

436	Cases investigated	1114
106	Doors and windows found open	131
54	Defective streets reported	362
25	Lost children restored to parents	90
19	Accidents reported	88
30	Lost articles restored to owners	90
28	Houses reported closed	257
8	Stray dogs killed	24
13	Disturbances quelled	29
0	Suspicious persons interviewed at station	27

I am pleased to state that the efficiency and discipline of the department have been well maintained during the period since my last

report, and that few cases of infractions of the rules have occurred, and those of a minor nature. Harmony has prevailed among the men, all striving to accomplish results from their work, which would redound to the credit of the city as well as themselves. On December last the northerly section of the city was visited on several occasions in the late afternoon or early evening by thieves, and houses which were temporarily vacant were broken into. The regular patrol force was kept on duty in uniform, and the off reliefs from that part of the city, as well as those from the other stations, sent there in citizens' dress to watch for the offenders. This was kept up for several weeks, which resulted in stopping the depredations. The extra work was done cheerfully, each officer doing his best to find the parties implicated. Patrolman Healey captured one man found by him in the act of breaking into a dwelling house, and later, from statements made by him, the man who was with him was caught, and both were convicted and sentenced to a long term in the State prison. Another man implicated in several of the same series of crimes was brought from White Plains, N. Y., and is awaiting trial. The inspectors' department, under Captain Hurley, has rendered most efficient service, all having worked early and late for the purpose of preventing crime as well as to ferret out the perpetrators. On December 1, 1908, I detailed an assistant in the inspectors' department as photographer and finger print operator, in order to keep abreast of the times in criminal work, as it is the almost unanimous opinion of the chiefs of police connected with the International Association of Chiefs that the finger print system, in connection with the photograph, is the most certain method of identification. We have taken twenty-three photographs and finger print impressions since the beginning of the work, and by the interchange with other departments of these records, we have been able to establish prior criminal records in two or more cases in other States, by reason of which longer terms of imprisonment were given in those cases here, and I feel justified in saying that great benefit to the service by this detail is guaranteed.

Two covered patrol and ambulance wagons have been contracted for (one already delivered to Station 2), as per order of the Board of Aldermen on October 20th last, requesting the Chief of Police to place a covering on the patrol wagon located in Division one, and which also meets the wishes of many citizens who have expressed the opinion that such wagons were more in conformity with the humane principles of the people than the open wagons.

The department has lost by death during the year two members

of long and valuable service, Deputy Chief William F. Batchelder and Patrolman John H. Wells. The deputy chief was a man of decided views on police duty and work, and could be relied on in any emergency to fulfill his whole duty in a conscientious manner. In the early days of no license in the city he was a terror to the illegal dealer in intoxicating liquors, and he did much by his faithful and fearless service to keep the city morally clean. He was appointed to the force on January 3d, 1877, and died April 9th, 1908, a distinct loss to the department, the city and his friends.

Patrolman Wells was appointed December 27th, 1882, and died May 24th, 1908. He was a veteran of the Civil War, having served three years in Battery G, 5th U. S. Artillery, rendering efficient and courageous service to the country, and later as a letter carrier, from which position he was appointed to the police force. He was a faithful officer and had the love and respect of his brother officers and a large number of friends among the citizens.

One pensioner died during the year, and one lieutenant and four patrolmen who had become unable to perform further useful service in the department were retired and placed on the pension roll.

RECOMMENDATIONS.

I would renew my recommendations of two or three years ago, that the building occupied for police headquarters, Station 2, and the Overseers of the Poor, be remodeled according to plans in the office of the Superintendent of Buildings, and which was recommended by the Committee on Public Property of the City Council of 1908, and later referred to the next City Council. No one has any doubts as to the need of the work, and I earnestly hope it may be done the present year. The wagon house and quarters for the drivers of Sub-station 4 should be put into comfortable condition before another winter, the cost of which will be small.

The no-license law has been well enforced, sixty-eight complaints having been made for various violations of the liquor laws. Very few of the arrests for drunkenness are caused by liquor purchased in Cambridge. If it were not for the proximity of the Boston saloons and the many bridges connecting Cambridge and Boston, the arrests for drunkenness would be very few in our city.

Respectfully submitted,

FREDERICK B. PULLEN,

Chief of Police.

SCHOOL COMMITTEE, 1908.

WILLIAM TAGGARD PIPER, *President.*

*MR. WARREN P. ADAMS, 12 Summer Road.

*REV. GEORGE W. BICKNELL, D. D., 330 Harvard Street.

LAWRENCE G. BROOKS, ESQ., 8 Francis Avenue.

*MRS. CAROLYN P. CHASE, 19 Lancaster Street.

MR. EDWIN L. CHENEY, 3 Clinton Street.

EDWARD A. COUNIHAN, JR., ESQ., 130 Otis Street.

MISS ADA R. KINSMAN, 16 Arlington Street.

*DR. SHERMAN R. LANCASTER, 5 Pleasant Street.

MR. JAMES A. LEW, 40 Magee Street.

MR. WILLIAM TAGGARD PIPER, 179 Brattle Street.

J. HENRY RUSSELL, ESQ., 176 Hancock Street.

MR. FRANK E. SANDS, 22 Avon Street.

MR. JOSEPH E. SHARKEY, 259 Elm Street.

DR. JOHN E. SOMERS, 1979 Massachusetts Avenue.

REV. ROBERT WALKER, 74 Fourth Street.

SANFORD B. HUBBARD, *Secretary and Agent.*

WILLIAM E. MCANAUL, *Page.*

Regular meetings of the School Committee are held on the third Thursday of each month at 8 o'clock P. M.

SUPERINTENDENT OF SCHOOLS,

WILLIAM C. BATES . . . Residence, 13 Forest Street.

OFFICE HOURS:

CITY HALL.

From 4 to 5 o'clock P. M. on school days.

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*Elected at large.

STANDING COMMITTEES.

Teachers—Mr. Bicknell, Mr. Walker, Mr. Piper, Mr. Adams, and Mr. Somers.

Text-Books—Mr. Brooks, Mr. Lancaster, Mr. Russell, Mr. Bicknell, and Mr. Sharkey.

Schoolhouses—Mr. Somers, Mr. Lancaster, Mr. Cheney, Mr. Counihan, and Mr. Sands.

High Schools—Mr. Lancaster, Mr. Piper, Mrs. Chase, Mr. Brooks, and Mr. Counihan.

Training School—Mr. Sands, Mr. Walker, Miss Kinsman, Mr. Cheney, and Mr. Somers.

Kindergartens—Mrs. Chase, Mr. Lew, Mr. Walker, Miss Kinsman, and Mr. Sharkey.

Evening Schools—Mr. Walker, Mr. Brooks, Mrs. Chase, Mr. Lew, and Mr. Adams.

Special Studies—Mr. Bicknell, Mr. Sharkey, Mr. Lew, Miss Kinsman, and Mr. Counihan.

Rules—Mr. Russell, Mr. Adams, and Mr. Counihan.

Finance—The President, *ex-officio,* Mr. Russell and Mr. Sands.

Supplies—Mr. Russell, Mr. Cheney, and Mr. Brooks.

THE ASSIGNMENT OF SCHOOLS.

The schools are assigned to individual members of the School Committee as follows:—

To Mr. Adams—The Agassiz, the Felton, and the Riverside.

To Mr. Bicknell—The Harvard, and the Merrill.

To Mr. Brooks—The Holmes, and the Houghton.

To Mrs. Chase—The Peabody.

To Mr. Cheney—The Parker, and the Roberts.

To Mr. Counihan—The Gore, and the Thorndike.

To Miss Kinsman—The Boardman, and the Willard.

To Mr. Lancaster—The Morse, and the Tarbell.

To Mr. Lew—The Webster.

To Mr. Piper—The Cushing, the Lowell, and the Russell.

To Mr. Russell—The Fletcher, and the Gannett.

To Mr. Sands—The Reed, the Shepard, and the Wyman.

To Mr. Sharkey—The Kelley, and the Otis.

To Mr. Somers—The Ellis, and the Sleeper.

To Mr. Walker—The Lassell, the Putnam, and the Taylor.

The kindergartens are assigned to the members of the Committee on Kindergartens.

REPORT OF THE SCHOOL COMMITTEE FOR 1908.

In compliance with Section 44 of the Rules of the School Board, the Superintendent herewith submits his third annual report, it being for the year ending December 31, 1908:—

Population of Cambridge.

1855	20,473	1885	59,660
1865	29,112	1895	81,643
1875	47,838	1905	97,434

School Census.

Number of children in the city five years old or more, but less than fifteen.

1875 (taken in May)	8,128	1905 (taken in September)	15,858
1885 (taken in May)	10,957	1907 (taken in September)	16,110
1895 (taken in May)	12,869	1908 (taken in September)	16,594

Schools and Classrooms.

December, 1908.

*a*Latin School	1	Classrooms in use	16
*b*English High School	1	" "	14
*c*Rindge Manual Training School	1	" "	15
*d*Grammar Schools	5	" "	71
*e*Grammar and Primary Schools	13	" "	154
Primary Schools	15	" "	78
Kindergartens	16	" "	16
*f*Evening Industrial School	1	" "	4
*f*Evening Drawing Schools	2	" "	4
Evening High School	1	" "	11
Evening Elementary Schools	4	" "	33
Whole number of Day Schools			52
Whole number of classrooms for Day Schools			364
Whole number of Evening Schools			8
Whole number of classrooms for Evening Schools			52

a. This school has a library, a chemical laboratory, a physical laboratory, a lecture room, a gymnasium, an assembly hall, and recitation rooms.

b. This school has an assembly hall, a lecture room, a chemical laboratory, a physical laboratory, a drawing room, and recitation rooms.

c. This school occupies three buildings and has an assembly hall, chemical and physical laboratories, drawing rooms, recitation rooms, and rooms for various kinds of shopwork.

d. Four of these schools have assembly halls.

e. Nine of these have assembly halls.

f. These schools and the industrial classes in the evening elementary schools are carried on under the direction of the Massachusetts Commission on Industrial Education.

Number of Teachers in the Day Schools.

[The directors of special studies and the teachers of sewing are included in the totals.]

December	Latin School	English High School	Rindge Manual Training School	Grammar Schools	Primary Schools	Kindergartens	Total
1904	23	24	19	187	142	29	435
1905	24	24	22	191	144	32	*451
1906	25	25	22	199	143	31	*459
1907	25	26	25	199	143	31	*464
1908	23	†27	24	200	141	30	*459

*Four unassigned teachers are included in the totals for 1905, 1906, and 1907, and five unassigned teachers and one consulting teacher in the total for 1908.

†Twenty-six regular teachers and one consulting teacher.

Attendance at All the Day Schools.

Year	Number of Pupils Registered	Average Number Belonging	Average Daily Attendance	Per cent of Attendance
1904	16,257	14,454	13,361	92.4
1905	16,381	14,606	13,550	92.8
1906	16,740	14,907	13,855	92.9
1907	16,803	14,957	13,878	92.8
1908	17,135	15,214	14,144	92.9

Attendance at the Latin School.

Year	Number of Pupils Registered	Average Number Belonging	Average Daily Attendance	Per cent of Attendance
1904	516	487	465	95.5
1905	564	531	506	95.2
1906	577	530	508	95.8
1907	544	489	471	96.3
1908	547	506	487	96.2

Attendance at the English High School.

Year	Number of Pupils Registered	Average Number Belonging	Average Daily Attendance	Per cent of Attendance
1904	605	556	530	95.4
1905	595	550	525	95.5
1906	619	570	545	95.8
1907	666	594	570	95.9
1908	640	584	560	95.8

Attendance at the Rindge Manual Training School.

Year	Number of Pupils Registered	Average Number Belonging	Average Daily Attendance	Per cent of Attendance
1904	351	315	302	95.9
1905	426	396	377	95.1
1906	489	440	417	94.7
1907	475	428	409	95.6
1908	549	489	461	94.2

Attendance at the Grammar Schools.

Year	Number of Pupils Registered	Average Number Belonging	Average Daily Attendance	Per cent of Attendance
1904	7,322	6,701	6,316	94.3
1905	7,457	6,713	6,331	94.3
1906	7,412	6,887	6,508	94.5
1907	7,869	7,192	6,783	94.3
1908	7,909	7,283	6,892	94.6

Attendance at the Primary Schools.

Year	Number of Pupils Registered	Average Number Belonging	Average Daily Attendance	Per cent of Attendance
1904	6,534	5,705	5,194	91.0
1905	6,359	5,629	5,173	91.9
1906	6,682	5,738	5,273	91.9
1907	6,324	5,551	5,092	91.7
1908	6,562	5,653	5,171	91.5

Attendance at the Kindergartens.

Year	Number of Pupils Registered	Average Number Belonging	Average Daily Attendance	Per cent of Attendance
1904	929	690	554	80.2
1905	980	787	638	81.1
1906	961	742	604	81.3
1907	925	703	553	78.7
1908	928	699	573	81.9

Number of Pupils Admitted to the Lowest Grade of the Latin School.

Course, 5 years.

Year	Boys	Average Age	Girls	Average Age
1904	67	14 years 5 months	91	14 years 7 months
1905	61	14 years 6 months	92	14 years 8 months
1906	67	14 years 2 months	85	14 years 2 months
1907	64	14 years 3 months	85	14 years 3 months
1908	88	14 years 2 months	71	14 years 5 months

Number of Pupils Graduated from the Latin School.

Course, 5 years.

Year	Boys	Average Age	Girls	Average Age
1904	19	18 years 1 month	31	18 years 9 months
1905	40	18 years 11 months	30	18 years 7 months
1906	27	18 years 6 months	32	18 years 8 months
1907	22	18 years 11 months	35	18 years 4 months
1908	27	18 years 8 months	35	18 years 8 months

Number of Pupils Admitted to the Lowest Grade of the English High School.

Year	Boys	Average Age	Girls	Average Age
1904	24	14 years 5 months	186	15 years 0 months
1905	10	14 years 6 months	209	14 years 6 months
1906	17	14 years 6 months	233	14 years 11 months
1907	4	13 years 4 months	254	14 years 10 months
1908	4	13 years 3 months	256	14 years 11 months

Number of Pupils Graduated from the English High School.

Year	Boys	Average Age	Girls	Average Age
1904	12	18 years 7 months	64	18 years 9 months
1905	13	18 years 10 months	61	18 years 9 months
1906	7	17 years 7 months	67	18 years 5 months
1907	11	19 years 1 month	108	18 years 7 months
1908	7	17 years 10 months	67	18 years 3 months

NUMBER OF PUPILS ADMITTED TO THE LOWEST GRADE OF THE RINDGE MANUAL TRAINING SCHOOL, WITH THE NUMBER OF GRADUATES.

Year	Admitted	Average Age	Graduated	Average Age
1904	194	15 years 0 months	30	18 years 3 months
1905	199	15 years 0 months	32	18 years 7 months
1906	167	14 years 11 months	45	18 years 9 months
1907	203	15 years 0 months	33	19 years 0 months
1908	205	15 years 0 months	51	18 years 8 months

NUMBER OF PUPILS GRADUATED FROM THE GRAMMAR AND PRIMARY SCHOOLS.

Year	Grammar Schools Course, 6 years	Average Age	Primary Schools Course, 3 years	Average Age
1904	708	14 years 10 months	1,444	9 years 6 months
1905	720	14 years 10 months	1,427	9 years 6 months
1906	713	14 years 9 months	1,609	9 years 5 months
1907	735	14 years 9 months	1,467	9 years 5 months
1908	753	14 years 9 months	1,543	9 years 6 months

LENGTH OF TIME IN COMPLETING THE COURSE OF STUDY IN THE GRAMMAR SCHOOLS.

Year	In 4 years	In 5 years	In 6 years	In 7 years or more
1904	5 per cent	28 per cent	52 per cent	15 per cent
1905	6 per cent	28 per cent	53 per cent	13 per cent
1906	6 per cent	27 per cent	51 per cent	16 per cent
1907	6 per cent	27 per cent	50 per cent	17 per cent
1908	7 per cent	24 per cent	52 per cent	17 per cent

LENGTH OF TIME IN COMPLETING THE COURSE OF STUDY IN THE PRIMARY SCHOOLS.

Year	In less than 3 years	In 3 years	In 3½ years	In 4 years	In 4½ years or more
1904	6 per cent	54 per cent	6 per cent	24 per cent	10 per cent
1905	3 per cent	60 per cent	6 per cent	21 per cent	10 per cent
1906	5 per cent	58 per cent	4 per cent	25 per cent	8 per cent
1907	4 per cent	61 per cent	3 per cent	23 per cent	9 per cent
1908	5 per cent	64 per cent	3 per cent	22 per cent	6 per cent

NUMBER OF PUPILS IN THE LATIN SCHOOL, DECEMBER, 1908.

Grade	Boys	Girls	Total	Per cent
Fourteenth	25	31	56	.107
Thirteenth	26	45	71	.135
Twelfth	50	56	106	.202
Eleventh	57	75	132	.251
Tenth	87	73	160	.305
Total	245	280	525	

NUMBER OF PUPILS IN THE ENGLISH HIGH SCHOOL, DECEMBER, 1908.

Grade	Girls		Per cent
Thirteenth	86	This school is for	.148
Twelfth	101	girls only. It became	.174
Eleventh	165	a girls' school, Sept-	.283
Tenth	225	ember 17, 1908.	.387
Specials	5		.008
Total	582		

NUMBER OF PUPILS IN THE RINDGE MANUAL TRAINING SCHOOL, DECEMBER, 1908.

Grade	Boys		Per cent
Thirteenth	82	This school is for boys	.148
Twelfth	108	only It became a part	.195
Eleventh	169	of the public school sys-	.305
Tenth	195	tem, January 1, 1899.	.352
Total	554		

NUMBER OF PUPILS IN THE GRAMMAR SCHOOLS, DECEMBER, 1908.

Grade	Boys	Girls	Total	Per cent
Ninth	314	401	715	093
D	59	57	116	.015
Eighth	448	460	908	.117
C	81	76	157	.020
Seventh	588	568	1,156	.150
Sixth	657	642	1,299	.168
B	100	121	221	.028
Fifth	758	647	1,405	.182
A	155	176	331	.043
Fourth	759	659	1,418	.184
Total	3,919	3,807	7,726	

NUMBER OF PUPILS IN THE PRIMARY SCHOOLS, DECEMBER, 1908.

Grade	Boys	Girls	Total	Per cent
Third	920	818	1,738	.302
Second	928	854	1,782	.309
First	1,217	1,028	2,245	.389
Total	3,065	2,700	5,765	

NUMBER OF PUPILS AND TEACHERS IN THE KINDERGARTENS.

Year	Boys	Girls	Total	Number of Teachers
1905	415	419	834	32
1906	398	402	800	31
1907	404	376	780	31
1908	427	440	867	30

ATTENDANCE AT THE EVENING HIGH AND ELEMENTARY SCHOOLS FROM OCTOBER 14, 1907, TO MARCH 20, 1908, NOT INCLUDING THE ATTENDANCE AT THE INDUSTRIAL CLASSES IN THE ELEMENTARY SCHOOLS.

	Number Registered	Average Attendance	Number of Graduates
Evening High	389	185	26
Putnam Evening	712	296	25
Roberts Evening	819	299	38
Shepard Evening	106	60	12
Webster Evening	236	93	13
Total	2,262	933	114

Beginning with October 14, 1907, the two evening drawing schools, the Evening Industrial School at the Rindge Manual Training School building, and the classes in dressmaking and millinery at the evening elementary schools were carried on under the direction of the Massachusetts Commission on Industrial Education.

ATTENDANCE AT THE EVENING INDUSTRIAL AND DRAWING SCHOOLS AND INDUSTRIAL CLASSES FROM OCTOBER 14, 1907, TO MARCH 20, 1908.

	Number Registered	Average Attendance	Number of Graduates
Industrial	93	57	3
Mechanical Drawing	78	47	5
Free-hand Drawing	64	30	6
Putnam Industrial Classes	161	64	....
Roberts Industrial Classes	173	61	....
Shepard Industrial Classes	88	48	....
Webster Industrial Classes	58	17	...
Total	715	324	14

Number of Pupils in the Private Schools in Cambridge, including Those in the Parochial Schools.

1903	1904	1905	1906	1907	1908
3,711	4,047	4,100	4,068	4,227	4,014

Number of Age and Schooling Certificates Issued.

1903	1904	1905	1906	1907	1908
565	578	666	851	868	636
*655	*859	*749	*1,137	*857	*538

*Issued to minors over sixteen years of age, in accordance with the law of 1902.

Cost of Instruction in the Day Schools.

Salaries of teachers, superintendent, supervisor, agent, clerks, and truant officers.

Year	Number of Teachers in December	Number of Pupils in December	Average Number of Pupils for Year Ending in June	Total Cost	Cost per Pupil
1902	417	14,747	14,244	$343,787 00	$24 14
1903	428	14,935	14,397	349,179 80	24 25
1904	435	15,075	14,454	356,406 89	24 66
1905	*451	15,364	14,606	366,448 39	25 09
1906	*459	15,475	14,907	377,343 02	25 31
1907	*464	15,580	14,957	385,927 00	25 80
1908	*459	16,019	15,214	374,000 99	24 58

Cost of the Day Schools.

Cost of instruction, of text-books and supplies, of incidental expenses, of the care of truants, of the care of schoolhouses, and of the transportation of pupils.

Year	Number of Teachers in December	Number of Pupils in December	Average Number of Pupils for Year Ending in June	Total Cost	Cost per Pupil
1902	417	14,747	14,244	$427,356 71	$30 00
1903	428	14,935	14,397	429,554 39	29 84
1904	435	15,075	14,454	450,310 44	31 15
1905	*451	15,364	14,606	462,412 09	31 66
1906	*459	15,475	14,907	464,529 43	31 16
1907	*464	15,580	14,957	488,636 18	32 67
1908	*459	16,019	15,214	477,286 82	31 37

*Four unassigned teachers are included in the totals for 1905, 1906, and 1907, and five unassigned teachers and one consulting teacher in the total for 1908.

COST OF INSTRUCTION IN THE EVENING SCHOOLS, INCLUDING THE INDUSTRIAL SCHOOLS WHICH HAVE BEEN CARRIED ON UNDER THE DIRECTION OF THE MASSACHUSETTS COMMISSION ON INDUSTRIAL EDUCATION SINCE OCTOBER 14, 1907.

Year	Drawing	Industrial	High	Elementary	Total
1904	$1,343 00	.....	$1,577 50	$5,708 00	$8,628 50
1905	1,491 00	$180 00	1,709 00	6,436 00	9,816 00
1906	1,647 00	788 00	1,830 00	7,440 50	11,705 50
1907	1,274 00	831 00	1,380 00	5,587 00	9,072 00
1908	1,342 00	1,474 00	1,839 00	7,980 00	12,635 00

FINANCIAL STATEMENT OF EXPENDITURES MADE BY THE SCHOOL COMMITTEE FROM DECEMBER 1, 1907, TO DECEMBER 1, 1908.

Cost of instruction	$386,635 99
Cost of text-books and supplies	22,514 24
Cost of care of buildings, including heat and light	79,455 94
Expended for care of truants	2,564 99
Expended for incidentals	2,102 18
Expended for care of flags	268 10
Expended for transportation of pupils	321 00
Expended for equipment of Rindge Manual Training School	2,570 16
Expended for repairs to buildings, etc.	26,796 55
Expended for furniture	2,087 61
Expended for vacation schools	1,791 18
Amount expended for all school purposes excepting new buildings	$527,107 94
Deducting from above the amount received for the tuition of of State Minor Wards, $794.50, the tuition of non-resident pupils, $7,107.01, the amount received for the sale of and damages to books, $743.89, and the amount received for the sale of old material in the building department, $31.93	8,677 33
The net cost of maintaining the schools is	$518,430 61

The evening drawing schools, the Evening Industrial School and the dressmaking and millinery classes in the evening elementary schools have been carried on under the direction of the Massachusetts Commission on Industrial Education since October 14, 1907, and for the winter of 1907-1908 the total cost of these schools was $5,717.52; the city has filed a claim for the reimbursement of one-half this amount, in accordance with Chapter 505 of the Acts of 1906.

The city has expended on the Wellington School building $11,097.81 to December 1, 1908, to repair the damages caused by the fire of February 10, and to enlarge and rebuild the part of the building toward Lincoln Street. The city council has appropriated $85,000 for this purpose.

TABULAR VIEW.

DECEMBER 31, 1908.

Names of Schools	Teachers	Salaries	No. of Pupils Dec. 31, 1908
Latin	William F. Bradbury	$3,000	525
	John I. Phinney	2,000	
	Cecil T. Derry	1,250	
	William J. Sands	1,200	
	Alfred R. Wightman	1,400	
	Jennie S. Spring	1,100	
	Helen M. Albee	950	
	Alice C. Baldwin	950	
	Almira W. Bates	950	
	Margaret S. Bradbury	950	
	Isabel S. Burton	950	
	Alice D. Chamberlain	950	
	Margaret C. Cotter	800	
	Caroline Drew	950	
	Elizabeth B. Flanders	900	
	Margaret J. Griffith	900	
	Mary C. Hardy	950	
	Rose Hardwick	950	
	Mabel E. Harris	950	
	Helen W. Munroe	950	
	Louisa P. Parker	950	
	Lena G. Perrigo	950	
	Ethel V. Sampson	950	
	*Annie S. Dodge	650	
English High	†Ray Greene Huling	500	582
	‡Grace L. Deering	2,000	
	Richard Benson	1,200	
	Chester M. Bliss	1,700	
	Joseph A. Coolidge	1,800	
	Chester M. Grover	1,800	
	S. Myrta Abbott	850	
	Ethel E. Carr	700	
	Caroline Close	950	
	Bertha L. Cogswell	950	
	Susan A. Collins	500	
	Gertrude H. Crook	950	
	Mary L. Cunningham	950	
	Grace E. Dennett	850	
	Esther S. Dodge	950	
	Elizabeth L. Huling	850	
	Ellen P. Huling	800	
	Maud A. Lawson	950	
	Henrietta E. McIntire	950	
	Mary Moulton	950	
	Lillian C. Rogers	950	
	Caroline A. Sawyer	950	
	Florence W. Smith	950	
	Martha R. Smith	950	
	Delia M. Stickney	1,200	

* Secretary and Librarian.
†Consulting Teacher.
‡Acting Head Master.

Tabular View—Continued.

Names of Schools	Teachers	Salaries	No. of Pupils Dec. 31, 1908
English High, Continued.	Annie F. Stratton	$950	
	Mabel D. Watson	950	
	*Martha L. Babbitt	650	
Rindge Manual Training	John W. Wood, Jr.	3,000	554
	Myra I. Ellis	1,350	
	Helen W. Metcalf	950	
	Florence Waugh	950	
	Francis L. Bain	1,400	
	Otis H. Bramhall	900	
	Robert W. Broderick	800	
	Winburn S. Cannell	1,200	
	James F. Conlin	1,400	
	Richard H. Gallagher	1,500	
	Evan W. Griffiths	1,300	
	Melvin E. Hagerty	1,200	
	John C. Hall	1,000	
	Karl E. Johnson	400	
	Gustaf A. Lundquist	1,500	
	James E. MacWhinnie	1,500	
	Edward R. Markham	1,500	
	Lester E. Markham	900	
	Joseph M. Norton	1,250	
	Frederic H. Sawyer	1,000	
	Charles E. Stratton	1,500	
	James G. Telfer	1,500	
	Albert L. Ware	1,500	
	Howard A. Wiggin	1,000	
	*Myrta E. Smith	650	
Agassiz, Grammar	Maria L. Baldwin	1,000	147
Agassiz, Primary	Frances W. Dawson	700	131
	Lillian G. Goodwin	700	
	Catherine G. Kelley	550	
	Mary A. Parsons	700	
	Grace C. Stedman	700	
	Abby S. Taylor	700	
	Agnes L. Tracy	700	
Boardman, Primary	Elizabeth J. Karcher	790	323
	Mabel E. Blake	700	
	Lillian M. Cuddy	650	
	Blanche M. Gould	650	
	Malvina M. Joslin	700	
	Goldie T. Lane	500	
	Lucy A. Roper	500	
	Jennie B. Ross	700	
Cushing, Primary	Maude A. Deehan	760	73
	Sarah C. McManama	500	

* Secretary and Librarian.

Tabular View—Continued.

Names of Schools	Teachers	Salaries	No. of Pupils Dec. 31, 1908
Ellis, Grammar	Edward O. Grover	$2,300	546
	Ernest Libby	1,200	
	Nellie A. Hutchins	900	
	Caroline L. Blake	800	
	Adelaide G. Bunker	750	
	Emma A. Faulkner	700	
	Lottie L. Griswold	700	
	Louise H. Griswold	700	
	Ellen J. Hunt	700	
	Flora C. Ingraham	700	
	Ida J. Mahoney	700	
	Sarah W. Mendell	700	
	Mary A. Stephenson	700	
	Josephine C. Wyman	700	
Felton, Primary	C. Florence Smith	780	176
	Marcia R. Bowman	700	
	Carrie H. Smith	700	
	Eleanor M. Stevens	700	
Fletcher, Grammar	George B. Colesworthy	1,800	418
Fletcher, Primary	Nellie A. Coburn	900	352
	Frances E. Higgins	750	
	Gertrude M. Baker	650	
	Mary I. Chapin	700	
	Mary B. Cole	650	
	Mary A. Doran	700	
	Mary N. Flewelling	650	
	Mabel A. Gauthier	500	
	Elmira F. Hall	700	
	Julia M. Horgan	600	
	Olive I. McNulty	500	
	Martha B. Perkins	700	
	Marion Prescott	700	
	Susan L. Senter	700	
	Eva A. Taylor	700	
	Gertrude M. Webster	650	
	Emma G. Wentworth	700	
Gannett, Primary	Mary A. Rady	775	188
	Annie M. Billings	700	
	Margaret F. Sanderson	700	
	Gertrude T. Sullivan	700	
Gore, Primary	Frances E. Pendexter	810	403
	Catherine L. Dinneen	450	
	Katherine L. Dolan	700	
	Mary L. Donovan	650	
	Minnie A. Doran	700	
	Kate A. Hegarty	700	
	Katherine L. McElroy	700	

Tabular View—Continued.

Names of Schools	Teachers	Salaries	No. of Pupils Dec. 31, 1908
Gore, Primary, Continued.	Julia G. McHugh	$700	
	Mary E. Mulloney	750	
	Anastasia Peters	700	
	Nora E. Reardon	700	
Harvard, Grammar	William L. MacGregor	1,500	743
	Margaret B. Wellington	900	
	Estella J. French	800	
	Hortense O. Young	750	
	Annie M. Street	750	
	Addie L. Bartlett	700	
	Esther L. Cogan	550	
	M. Blanche Craig	600	
	Frances Fabyan	700	
	Margaret M. Fearns	700	
	Jessie S. Hagan	600	
	Annie B. Lowell	700	
	Carolyn E. MacDonald	450	
	Gertrude P. McCusker	600	
	Waitie M. Nash	700	
	Laura L. Parmenter	700	
	Louise C. Patterson	700	
	Elizabeth L. Setchell	700	
Holmes, Primary	Susan E. Wyeth	750	33
Houghton, Grammar	John W. Freese	2,300	543
Houghton, Primary	Blanche E. Townsend	900	92
	Alice P. Fay	750	
	Grace D. Beckwith	700	
	Katherine F. Callahan	700	
	Catherine M. Doran	650	
	Mary L. Ells	700	
	Katharine M. Greene	650	
	Gertrude A. Kenney	600	
	Emma Penney	700	
	Margaret J. Penney	700	
	Elizabeth F. Reed	700	
	Anna G. Scannell	650	
	Hattie Shepherd	700	
	Mary G. Snow	600	
Kelley, Grammar	H. Warren Foss	1,600	437
Kelley, Primary	Catharine A. McLean	900	348
	Ellen A. Kidder	750	
	Ellen T. Carroll	500	
	Alice V. Connelly	500	
	Olive L. Cook	700	
	Josephine Day	700	

Tabular View—Continued.

Names of Schools	Teachers	Salaries	No. of Pupils Dec. 31, 1908
Kelley, Continued	Maude M. Dutton	$700	
	Mary L. Feeny	500	
	Lucy M. Fletcher	700	
	Carrie M. Ford	700	
	Emma J. Houlahan	700	
	Margaret B. McCullough	500	
	Mary E. Moran	650	
	Ethel I. Murch	700	
	Eva G. Oakes	700	
	Esther D. Paul	700	
	Carrie L. Power	700	
	Mary E. Regan	700	
Lassell, Primary	Frances E. Whoriskey	770	181
	Rose V. Collier	700	
	Elizabeth B. Gahm	700	
	Mary E. Whoriskey	700	
Lowell, Grammar	Eusebia A. Minard	770	39
Lowell, Primary	Agnes J. McElroy	700	70
	Cora B. Poole	650	
Merrill, Primary	Louise W. Harris	800	240
	Julia M. Davis	700	
	Henriette E. de Rochemont	700	
	Daisy E. Haynes	700	
	Marion B. Magwire	700	
	Gertrude S. Thayer	700	
	Nellie F. Walker	700	
Morse, Grammar	Mary A. Townsend	2,300	488
Morse, Primary	Mary E. Towle	900	228
	Clintina E. Curtis	800	
	Ida J. Holmes	750	
	Elizabeth J. Baldwin	700	
	Edith M. Carman	650	
	Christina R. Denyven	700	
	Florence E. Hunter	700	
	Grace E. Lally	450	
	Alice E. May	700	
	Helen Montague	700	
	Mary E. Murray	450	
	Anna A. O'Connell	700	
	Elizabeth H. Richards	700	
	Lucy M. Soulée	700	
	Bertha J. Waldron	700	
	Mary E. Warren	700	
	Constance E. Yeames	600	
Otis, Primary	Ellen N. Leighton	785	312
	Frances Allen	700	

Tabular View—Continued.

Names of Schools	Teachers	Salaries	No. of Pupils Dec. 31, 1908
Otis, Primary, Continued.	Anna E. Callahan	$700	
	Josephine M. Doherty	700	
	Nettie I. Haff	550	
	Luella M. Marsh	700	
	Anna N. Sullivan	700	
	Margaret Sullivan	700	
Parker, Primary	Mary A. Knowles	780	226
	Mattie S. Cutting	700	
	Harriet R. Harrington	700	
	Jeannette Jacobson	450	
	Agnes Marchant	700	
	Mary E. Mullins	700	
Peabody, Grammar	Frederick S. Cutter	2,300	378
Peabody, Primary	Charlotte A. Ewell	900	177
	Katherine L. Carr	750	
	Anna F. Bellows	750	
	Susan C. Allison	700	
	Bernice E. Bartlett	500	
	Florence E. Bunton	500	
	Helen E. Hazard	700	
	Tina M. King	500	
	Isadore M. Thompson	700	
	Dora Trefethen	700	
	Alice M. Tufts	700	
	Lucy E. Whipple	650	
	Madeleine Wood	550	
Putnam, Grammar	Frederick B. Thompson	2,300	663
	James E. White	1,400	
	Maude M. Mixer	900	
	Eliza S. Paddack	800	
	Grace Clark	750	
	Mary A. Carmichael	700	
	Martha Chisholm	700	
	Anna L. P. Collins	700	
	Elsie H. Cooter	500	
	Sarah M. Grieves	700	
	Annie B. Josselyn	700	
	Nellie A. Kerrigan	700	
	Jane E. McKearin	550	
	Margaret F. O'Keefe	700	
	Annie M. R. Sturtevant	500	
	Annie A. Trelegan	700	
	Minnie F. Wilson	700	
Reed, Primary	Margaret T. Burke	770	159
	Elizabeth G. Nelligan	700	
	Julia A. Robinson	700	
	Clara W. Ruggli	700	

Tabular View—Continued.

Names of Schools	Teachers	Salaries	No. of Pupils Dec. 31, 1908
Riverside, Primary	Elizabeth A. Tower	$770	203
	Amanda M. Alger	700	
	Mary A. Burke	700	
	Hattie A. Thayer	700	
Roberts, Grammar	W. Mortimer MacVicar	2,300	633
Roberts, Primary	Sara A. Bailey	900	68
	Emily R. Pitkin	750	
	Susan M. Adams	700	
	Mary Blair	700	
	Elizabeth M. Breslin	700	
	Mary M. Brigham	700	
	Faith Foxcroft	650	
	Mary F. Hill	650	
	Susan L. Keniston	700	
	Evelyn B. Kenney	700	
	Marjorie H. Lenox	600	
	Ada M. Litchfield	700	
	Sarah E. Magurn	500	
	Rose A. Murray	700	
	Ida G. Smith	700	
	Gertrude A. White	650	
	Caroline M. Williams	700	
Russell, Grammar	Arthur C. Wadsworth	2,300	401
Russell, Primary	Mary S. Bingham	900	106
	Adelaide D. Billings	750	
	Carrie J. Allison	700	
	Fannie P. Browning	700	
	Ella E. Buttrick	700	
	Mary A. Connelly	700	
	Louise F. James	650	
	Anna M. Lyons	700	
	Louise I. MacWhinnie	700	
	H. Maud Maclean	700	
	Edith M. O'Brien	650	
	Gertrude E. Russell	700	
Shepard, Grammar	Evelyn J. Locke	1,000	278
Shepard, Primary	Mary F. Calnane	700	129
	Florence M. Dudley	700	
	Alice M. Gage	700	
	Mary M. Gilman	700	
	Dora Leadbetter	700	
	Theresa H. Mahoney	700	
	Elizabeth J. O'Keefe	650	
	Ellen T. O'Keefe	700	
	Anna E. Welch	700	
Sleeper, Grammar	A. Estelle Ingraham	1,000	136
Sleeper, Primary	Emily Bissell	700	172

Tabular View—Continued.

Names of Schools	Teachers	Salaries	No. of Pupils Dec. 31, 1908
Sleeper, Continued.....	Butella E. L. Conland.....	$700	
	Evelyn M. Dormer.....	700	
	Elizabeth O. Haynes.....	700	
	Melissa M. Lloyd.....	700	
	Mary A. Macklin.....	700	
	Helena Murphy.....	450	
Tarbell, Primary.....	Emma J. Young.....	770	187
	Florence J. Alley.....	700	
	Carrie P. Pierce.....	700	
	Anna H. Welsh.....	700	
Taylor, { Grammar.....	Ella R. Avery.....	1,000	{ 129
{ Primary.....	Mary A. Boland.....	700	{ 219
	Lillian M. Canty.....	700	
	Alice V. Carmichael.....	500	
	Alice G. Dacey.....	450	
	Lillian W. Davis.....	700	
	Emily M. Dowd.....	600	
	Alice K. Geary.....	450	
	Winifred B. Goodwillie...	650	
	Mary A. Maguire.....	700	
Thorndike, Grammar.....	Ruel H. Fletcher.....	2,300	481
	Roger A. Powers.....	1,000	
	Harriet A. Townsend.....	900	
	Lydia A. Whitcher.....	800	
	Laura A. Westcott.....	750	
	Flora E. Cooter.....	700	
	Jennie W. Cronin.....	700	
	Grace W. Fletcher.....	700	
	Eulalia L. Herald.....	700	
	Lillian H. Kenney.....	700	
	Margaret M. Mahoney....	600	
	Ethel M. McLeod.....	650	
	Ellen M. Plympton.....	700	
	Mabel A. Short.....	700	
Webster, Grammar.....	John D. Billings.....	2,300	801
	H. Herbert Richardson....	1,400	
	Alice C. Phinney.....	900	
	Martha N. Hanson.....	800	
	Ada A. Billings.....	750	
	Mabel T. Ashley.....	700	
	Charlotte M. Chase.....	700	
	Fanny F. Curtis.....	700	
	Susan I. Downs.....	700	
	Gertrude B. Duffy.....	700	
	Josephine Hills.....	700	

Tabular View—Continued.

Names of Schools		Teachers	Salaries	No. of Pupils Dec. 31, 1908
Webster, Continued.....		Gertrude I. Johnson.....	$700	
		Carolyn E. Mann.....	700	
		Nora P. Nason.....	700	
		Lena B. Noyes.....	600	
		Minnie V. Reid.....	700	
		Harriette E. Shepard.....	700	
		Olive L. Slater.....	700	
		Eleanor B. Spooner.....	450	
Wellington,	Grammar...	Herbert H. Bates.....	2,800	465
	Primary.....	Sarah J. Gunnison.....	1,000	227
		Margaret Kidd.....	1,000	
		Mary I. Vinton.....	1,000	
		Carrie H. Stevens.....	900	
		Grace F. Chamberlain.....	700	
		*Ellen A. Sullivan.....	550	
		Training Class.....	6,814	
Willard, Primary.....		Katharine E. Hayes.....	810	538
		Agalena Aldrich.....	700	
		Elizabeth M. Crowley.....	700	
		Mary L. Dolan.....	700	
		Ella F. Gulliver.....	700	
		Julia S. Gushee.....	700	
		Mary E. G. Harrington...	700	
		Katherine M. Lowell.....	700	
		Mary A. O'Hara.....	700	
		Annie M. Sands.....	600	
		Eliza D. Watson.....	700	
		Grace R. Woodward.....	700	
Wyman, Primary.....		Addie M. Bettison.....	780	204
		Maria J. Bacon.....	700	
		Mary H. Brooks.....	700	
		Georgianna P. Dutcher...	700	
		Genevieve S. Flint.....	700	
Kindergartens	Boardman.....	Florence Rice	700	56
		Dorothea Cutler.....	250	
	Corlett.....	Annie M. Dodd.....	700	44
		Frances W. Roberts.....	600	
	Gannett.....	Carrie E. Shepherd.....	700	30
	Gore.....	Selma E. Berthold.....	700	51
		Annie L. Crane.....	600	
	Houghton.....	Edith L. Lesley.....	700	68
		Olive M. Lesley.....	600	
	Lowell.....	Melinda Gates.....	700	31
	Merrill.....	Caroline A. Leighton....	700	66
		Ethel M. Halliday.....	550	
	Parker.....	Leonice S. Morse.....	700	56
		Ida E. Ward.....	600	
	Peabody.....	Julia L. Frame.....	700	60
		Irene L. Phelps.....	600	

* Secretary and Librarian.

Tabular View—Continued.

Names of Schools		Teachers	Salaries	No. of Pupils Dec. 31, 1908
Kindergartens, Continued.	Shaw	Harriette E. Ryan	$700	68
		Ivy M. Ranney	450	
	Sleeper	Mabel S. Adams	700	60
		Lillian A. Scranton	450	
	Taylor	Mary F. Leland	700	64
		Anna D. Francis	600	
	Wellington	Gertrude M. Gove	700	56
		Carita B. Dickson	550	
	Willard, A.M.	Alice V. McIntire	700	61
		Marion L. Akerman	600	
	Willard, P.M.	Jennie S. Clough	700	44
		Eva C. Katon	600	
	Wyman	Clara A. Hall	700	52
		Mary E. Valpey	550	
Teachers of Sewing		Agnes Gordon	700	
		Katherine A. Burke	200	
		Nancy T. Dawe	650	
		Alice H. Nay	650	
Unassigned Teachers.				
High School		Emma A. Scudder	450	
Primary Schools		Sally N. Chamberlain	350	
		Ellen A. Cheney	350	
		M. Elizabeth Evans	350	
		Mary E. Sawyer	350	
Permanent Substitute		Mary A. Driscoll	500	

Director of Music—Frederick E. Chapman	$2,000
Assistant in Music—Annie R. Hooper	850
Director of Drawing—Peter Roos	2,000
Assistant in Drawing—Lucia N. Jennison	800
Instructor in Physical Training in the High Schools—Bessie W. Howard	950

Tabular View—Concluded.

Superintendent—William C. Bates	3,500
Supervisor of Primary Schools—Mary A. Lewis	1,350
Agent—Sanford B. Hubbard	2,450
Clerks—Constantine J. Church	780
Althea B. Frost	800
Sadie E. Kimball	700
Porter—John H. Lemon	700
Truant Officers—Lucian S. Cabot	1,000
John Carmichael	1,000
William H. Porter	1,000
Thomas F. Riley	1,000

Summary.

December, 1908.

Number of pupils in the Latin School	525
Number of pupils in the English High School	582
Number of pupils in the Rindge Manual Training School	554
Number of pupils in the Grammar Schools	7,726
Number of pupils in the Primary Schools	5,765
Number of pupils in the Kindergartens	867
Number of pupils in the public schools, December, 1908	16,019
Number of pupils in the public schools, December, 1907	15,580
Increase of pupils, 1908	439
Increase of pupils, 1907	105
Increase of pupils, 1906	111
Increase of pupils, 1905	289
Increase of pupils, 1904	140
Increase of pupils, 1903	188
Increase of pupils, 1902	253
Increase of pupils, 1901	62
Increase of pupils, 1900	332
Increase of pupils, 1899	314
Increase of pupils, 1898	476
Average annual increase of pupils from 1898 to 1908 (inclusive)	246

Cost of Instruction

From December 1, 1907, to December 1, 1908.

Schools and Officers	Cost of Instruction	Average Number of Pupils	Cost per Pupil
Latin School	$26,476 42	506	$52 72
English High School	27.898 75	584	47 73
Rindge Manual Training School	30,417 81	489	62 20
Training School (Teachers)	14,354 27	734	19 56
Grammar Schools (except Training School)	140,534 24	6,810	20 64
Primary Schools (except Training School)	86,851 06	5,392	16 11
Kindergartens	18 974 56	699	27 15
Directors of Music	2,672 00	.....	.....
Directors of Drawing	2,660 00	.....	.....
Director of Nature Study	700 00	.....	.....
Directors of Physical Training	1,567 00	.....	.....
Teachers of Sewing	2,050 00	.....	.....
Substitute Teachers	3,220 88	.....	.....
Unassigned Teachers	1,510 00	.....	.....
Superintendent	3,325 00	.....	.....
Supervisor of Primary Schools	1,282 00	.....	.....
Secretary and Agent	2,617 00	.....	.....
Page of Board	22 50	.....	.....
Clerks	1,425 00	.....	.....
Porter	665 00	.....	.....
Truant Officers	3,800 00	.....	.....
Estate of Harry Rich	87 50	.....	.....
Rindge Manual Training School, summer sessions for Harvard students	800 00	.....	.....
Tuition paid to Belmont for Cambridge pupils	90 00	.....	.....
Total	$374,000 99	15,214	$24 58

Cost of instruction in Evening Drawing Schools	$1,342 00
Cost of instruction in Evening Industrial School	1,474 00
Cost of instruction in Evening High School	1,839 00
Cost of instruction in Evening Elementary Schools	7,980 00
Total	*$12,635 00

* Including the amount to be refunded by the Commonwealth for the instruction in the Industrial Schools which are carried on under the direction of the Massachusetts Commission on Industrial Education.

REMARKS ON THE STATISTICS.

The number of pupils registered in the day schools during the school year ending June 26, 1908, was 17,135, an increase over the preceding year of 332; the average number belonging was 15,214, an increase of 257, and the average daily attendance was 14,144, an increase of 266. In the per cent. of attendance there was an increase of one-tenth of one per cent. The number belonging to the schools in December, 1907, was 15,580; in December, 1908, 16,019, an increase of 439.

The cost of instruction for the year December 1, 1907, to December 1, 1908, which includes the salaries of teachers, superintendent, supervisor, agent, secretary, clerks, and truant officers, was $377,000.99. The total cost of the day schools, which, in accordance with the statutory definition of the support of schools, includes the cost of instruction, text-books and supplies, incidental expenses, care of truants, care of schoolhouses, the cost of fuel and light, and the transportation of pupils, was $477,286.82.

The total cost per pupil shows a decrease of $1.30 from last year. Several factors have brought about this decrease in the cost per pupil. The average number belonging was 257 more than last year, while the number of teachers employed was less during the last of the year. The salaries for September, October, and November, the last three months of the twelve from which the financial statements in this report are made, were paid in twelfths instead of in tenths, as had been the custom heretofore, and so the payments for salaries were less than they would have been on the basis of tenths.

The registration in all the evening schools for the school year 1907-1908 was 2,977, an increase of 325; and the average attendance was 1,257, an increase of 160. These statistics include the attendance at the industrial schools which are carried on under the direction of the Massachusetts Commission on Industrial Education; the registration in these industrial schools was 715, and the average attendance was 324. The total cost of all the evening schools, including the salaries of teachers, the cost of text-books and supplies, the care of buildings, and the cost of fuel and light, was $16,575.62. This includes the amount to be refunded by the Commonwealth in accordance with Chapter 505 of the Acts of 1906.

While Cambridge expends a large amount for the public schools, there are *two hundred and eight* towns and cities in the State which

make a larger expenditure in proportion to their wealth. In a list of the thirty-three cities, arranged numerically according to the percentage of their taxable property, appropriated to the support of public schools for the year 1907-1908, Cambridge is the *twenty-third*. In a list of the towns and cities of the State, arranged numerically according to the sum appropriated for each child in the average membership of the public schools, Cambridge is the *forty-seventh*.

These statistics relating to the schools of the State are taken from the seventy-second annual report of the Secretary of the State Board of Education.

TEXT-BOOKS AND SUPPLIES.

At the meeting of the Board in December the Committee on Supplies submitted a detailed report of the expenditures of that committee for the year. The report is as follows:—

In accordance with Section 30 of the Rules of the School Board, the Committee on Supplies submits its twenty-fourth annual report, it being for the year ending July 1, 1908:—

Stock in storeroom July 1, 1907	$6,672 79	
Expended from the appropriation	22,607 29	
Value of exchanges	366 34	
		$29,646 42
Distributed to schools, officers, etc.	$22,772 94	
Books exchanged	103 17	
Sold for cash	260 73	
		$23,136 84
Stock on hand July 1, 1908		$6,509 58

The purchases and expenditures appear in detail as follows:—

For text-books	$8,548 81	
Desk and reference books	44 99	
Copy books	482 40	
Apparatus and furnishings	1,934 41	
Diplomas, $226.96; printing, $196.75	423 71	
Repairing books, $474.90; tuning pianos, $45.25	520 15	
Expressage and labor	344 40	
Miscellaneous supplies	10,674 76	
		$22,973 63
Less the value of exchanges		366 34
		$22,607 29

The net cost of text-books and supplies is as follows:—

Stock on hand July 1, 1907	$6,672 79	
Bills paid by City Treasurer	22,607 29	
		$29,280 08
Stock on hand July 1, 1908	$6,509 58	
Cash paid to City Treasurer, sales and damages	816 94	
		7,326 52
We have, net cost of all schools and officers		$21,953 56

or an average cost per pupil of $1.443. The average cost per pupil for twenty-four years is $1.312.

The annual cost per pupil for text-books and supplies since the introduction of free text-books is as follows:—

Year	Cost per Pupil	Year	Cost per Pupil	Year	Cost per Pupil
1885	$1.880	1893	$1.109	1901	$1.203
1886	1.170	1894	1.243	1902	1.400
1887	1.051	1895	1.152	1903	1.306
1888	1 068	1896	1.436	1904	1.468
1889	0.960	1897	1.094	1905	1.434
1890	1.334	1898	1.268	1906	1.476
1891	1.248	1899	1.225	1907	1.620
1892	1.149	1900	1.740	1908	1.443

The net cost of each grade of schools for text-books and supplies is as follows:—

	Net Expense	Cost per Pupil				
		1908	1907	1906	1905	1904
Latin School	$1,188 47	$2.349	$4.136	$3.036	$3.182	$3 177
English High School	3,793 58	6.496	4.894	4.425	3.356	4.153
Manual Training School	4,438 72	9.077	10.723	9.679	10.014	9.836
Training School, Teachers	974 60	1.328	1.127	1.126	0.964	1.042
Grammar Schools	3,476 18	1.128	1.315	1.343	1.258	1.397
Mixed Schools	4,821 45	0.835	1.156	0.981	1.153	1.342
Primary Schools	1,485 61	0.444	0.584	0.508	0.433	0.441
Kindergartens	406 61	0.582	0.353	0.494	0.637	0.422
Evening Schools	678 24	.....	.....	.....	.....	.....
Vacation Schools	14 38	.....	.....	.....	.....	.....
Special Teachers	88 23	.....	.....	.....	.....	.....
Officers of Board	102 55	.....	.....	.....	.....	.....
Miscellaneous Expenses (not chargeable to any grade)	406 88	.....	.....	.....	.....	.....
Books Exchanged and material discarded	103 17	.....	.....	.....	.....	.....
	$21,978 67					
Less profit on sales	25 11	.....	.....	.....	.....	.....
	$21,953 56	$1.443	$1.620	$1.476	$1.434	$1.468

The foregoing table shows that the average cost per pupil, dividing the net expense among 15,214 pupils, the average number belonging during the school year, is $1,443, a decrease from the average of last year of $0.177. The average for the last twenty-four years is $1.312. There was a decrease in the cost per pupil in all the schools and grades, excepting the English High School where sixteen typewriters were purchased, in the Wellington School where books and materials were supplied to replace what was burned in the fire of February 10, and in the kindergartens.

SCHOOL ACCOMMODATIONS.

Under the amendments to the city charter adopted December 10, 1907, the cost of maintenance of the school buildings is paid from the amount allotted to the school committee for school purposes. The erection of new buildings is determined by the city council subject to the approval of the school committee as to location and plans.

A new building should be erected to take the place of the Thorndike school house. At the meeting of the Board in December, 1908, the following was adopted and sent to the city council:—

"The school committee would respectfully call the attention of the city council to the request made by this Board, January 31, 1907, and January 23, 1908, 'that the Thorndike schoolhouse be replaced by a modern building containing sixteen rooms and a hall,' and would respectfully urge this request.

"The Thorndike schoolhouse is antiquated and in bad repair; the heating and ventilation are costly and unsatisfactory. The rooms are too small to seat a full class of pupils, so that the maintenanace of the school is in all respects unduly expensive; and it is unjust to the parents and pupils of this district that they are not supplied with accommodations as good as those furnished in other sections of the city."

At the meeting of the Board in December, the committee on schoolhouses submitted a detailed report of the work of the committee for the year. The following is taken from that report:—

This committee would respectfully report that while no new schoolhouse has been built during the year, quite extensive repairs have been made on a large number of buildings, so that they are in a better condition than is usual.

The cost of repairs, lighting, heating, and janitors' service for the year December 1, 1907, to December 1, 1908, is as follows:—

Salaries of janitors and others	$43,961 16
Janitors' supplies and various expenses	2,313 88
Expended for coal, wood, and charcoal	29,793 49
Expended for gas and electric lighting	3,387 41
Cost of repairs to buildings, furniture, etc.	26,796 55
Cost of new furniture	2,087 61
	$108,340 10

The Wellington School building was very seriously damaged by fire on February 10, 1908, so that the school was broken up and the pupils and teachers were scattered to various halls and rooms, some of them being compelled to go a considerable distance. The new part of the building, only recently completed, was saved and is occupied by a portion of the school. It was decided to build an addition of fifteen rooms in place of the damaged end, and $85,000 was appropriated by the city council for this purpose. The building will be completed and equipped by September 1, 1909.

The schools in Wards Six and Seven are very much crowded and a new schoolhouse is needed in this section of the city. Perhaps the best and least expensive way to meet this need is to enlarge the Webster School building by an addition of ten or twelve rooms.

In order to relieve the crowded condition of the English High School the lecture room has been occupied for instruction in typewriting. Two rooms in the Latin School have been fitted up and are occupied by classes from the English High School.

An additional clerk has been employed in the office of the agent of the school committee to keep the accounts of schoolhouse maintenance, supervise the weighing of coal, and to do such other work as may be required of him.

CHANGES IN TEXT-BOOKS.

The following is the Rule of the School Board relating to the changes in text-books:—

"All propositions for changes in text-books shall be made by the superintendent. Whenever he recommends a change he shall appoint two persons, one of whom shall be a teacher in the service of the city, who shall make written reports on the merits of the books recommended. These reports and a like report by the superintendent shall be kept on file in the office of the superintendent, open to inspection by members of the Board only. All changes of text-books recom-

mended to the Board shall be referred to the committee on text-books."

Under this rule the following books have been recommended by the superintendent and the committee on text-books, and adopted by the Board:—

For the Latin School. Byron's Mazeppa and the Prisoner of Chillon; Chaucer's Prologue and Knight's Tale; Dickens's A Tale of Two Cities; Palgrave's The Golden Treasury, Books II., III., IV.; Scott's Quentin Durward; Spenser's The Faerie Queene, Book I.; Thackeray's Henry Esmond.

For the Rindge Manual Training School. Asensi's Victoria and Other Stories (A Spanish Reader); Collar's First Year German; Hills and Ford's A Spanish Grammar.

For the High Schools. Autobiography of Franklin; Butcher and Lang's The Odyssey of Homer Done into English Prose; Huntington's Four Place Tables of Logarithms; Lamb's The Essays of Elia; Williams and Fisher's Elements of the Theory and Practice of Cookery; Woolley's Handbook of Composition.

For the Grammar Schools. Southworth's Problems in Arithmetic.

For the Primary Schools. The Aldine System of Reading, except the Third Reader, in place of Davis's Second Reader and Nash's First Reader.

The following is from the report of the committee on text-books:—

It may be interesting to note one or two things in connection with the text-books adopted during the year.

Eighteen different books were adopted. Eleven of these were among the college requirements. Three were the first text-books in the course. Three were supplementary books put in to meet changed conditions. One was adopted in place of a book which had been some time in use and which was discontinued.

Last year's report shows that the amount spent on text-books was $12,138.05. This year the report will show $8,548.81 expended, a decrease of $3,589.24, nearly thirty per cent. On these figures it can hardly be said that the text-book expenditures have been extravagant.

LATIN SCHOOL.

The following table shows the membership of the Latin School and the cost of instruction from year to year for the past five years:—

Year	Number of Teachers in December	Number of Pupils in December	Average Number of Pupils for the year ending in June	Cost of Instruction	Cost per Pupil	Number of Graduates
1904	23	548	487	$26,275 50	$53 95	50
1905	24	556	531	26,711 51	50 30	70
1906	25	523	530	25,979 34	49 02	59
1907	25	517	489	26,923 42	55 06	57
1908	23	525	506	26,476 42	52 72	62

The course of study for the Latin School is arranged for five years or for four years, and is almost wholly decided by the requirements for admission to Harvard University. Nine and four-tenths per cent. of all the graduates have completed the course in four years. The following are the rules relating to the government of the three high schools:—

"A pupil who has received a diploma of a Cambridge grammar school stating that he has satisfactorily completed the course may be admitted to any high school on probation without examination. Other candidates shall be required to present certificates of good character from the principals of the schools they last attended and to pass an examination showing a preparation equivalent to that required for graduation from the Cambridge grammar schools; such examination shall be held in September of each year under the direction of the superintendent. Pupils who are qualified to join existing classes may be admitted at any time on application to the head master.

"A pupil in any of the high schools who, during the first three months of the school year has failed to do the work required and who has shown a lack of reasonable effort to reach a satisfactory standard, may, on recommendation of the head master, be placed on special probation by the superintendent and if at the end of February he has not made his record satisfactory, he may, on recommendation of the head master and superintendent, approved by a vote of the committee on high schools, be required to withdraw from the school. A pupil so excluded shall not be readmitted until the beginning of the next school year. A second exclusion shall be final.

"No organization of high school pupils bearing the name of the

school, shall be permitted to give musical entertainments or dramatic performances in places other than Cambridge.

"No pupil whose conduct or work in school is unsatisfactory shall be allowed to take part in any public match, performance, or exhibition, or in the editorship or business management of the school paper, under the name of any Cambridge high school or of any class thereof."

For non-resident pupils the tuition is $80 a year, payable one-half at the beginning, and the other half at the middle of the school year. The sessions of the school begin at 8.30 A.M., and end at 1.30 P.M.

ENGLISH HIGH SCHOOL.

The following table shows the membership of the English High School and the cost of instruction from year to year for the past five years:—

Year	Number of Teachers in December	Number of Pupils in December	Average Number of Pupils for the year ending in June	Cost of Instruction	Cost per Pupil	Number of Graduates
1904	24	569	556	$27,070 83	$48 69	76
1905	24	588	550	26,359 41	47 93	75
1906	25	634	570	27,214 24	47 74	74
1907	26	608	594	28,213 67	47 50	119
1908	*27	582	584	27,898 75	47 73	74

* Twenty-six regular teachers and one consulting teacher.

On account of the small number of boys in the school, the English High School became a girls' school on September 17, 1908, the boys then in the school being transferred to the Latin School or Rindge Manual Training School as each boy might elect.

This school has three courses of study and has for its object the preparation of its pupils for entrance upon active life.

The general course provides a broad, liberal training for girls who expect to end their academic education with the high school, and includes all subjects which are required for preparation to enter the State normal schools. All who propose to become teachers in grammar or primary schools should take this course.

The commercial course is designed to combine with studies which cultivate the mind in a broad way, certain others which give special power needed in business life. Bookkeeping and business corre-

spondence are provided in the first year, advanced bookkeeping in the second year, commercial law in the third year, stenography in the third and fourth years, and typewriting in the second, third, and fourth years.

The domestic science course is intended for those girls who, while gaining culture of mind, wish also to train the hand in arts that are needed constantly in the home. In the second year they work in wood with tools suitable to their strength. In the third year they learn cooking by theory and practice. In the fourth year they continue their cooking, and deal with the preserving of fruits, with sanitation, and with other problems of household economy.

The requirements for admission and the rules governing the English High School are the same as for the Latin School.

For non-resident pupils the tuition is $80 a year, payable one-half at the beginning, and the other half at the middle of the school year. The sessions of the school begin at 8.30 A.M., and end at 1.30 P.M.

RINDGE MANUAL TRAINING SCHOOL.

The following table shows the membership of the Rindge Manual Training School and the cost of instruction from year to year for the past five years:—

Year	Number of Teachers in December	Number of Pupils in December	Average Number of Pupils for the year ending in June	Cost of Instruction	Cost per Pupil	Number of Graduates
1904	19	411	315	$23,167 16	$73 55	30
1905	22	459	396	26,487 00	66 89	32
1906	22	438	440	29,705 66	67 51	45
1907	25	508	428	30,038 93	70 18	33
1908	24	554	489	30,417 81	62 20	51

The Rindge Manual Training School has three courses of study, an industrial course, a college course, and a commercial course, each course covering four years. Proper emphasis is given to the academic features and the work is made interesting and effective by bringing it into intimate relation with instruction in the mechanic arts.

The manual dexterity and the thorough knowledge of tools, machinery, and mechanical processes acquired in the shops at an age when time can be most easily spared for such training is of great value in any scientific pursuit.

The sessions are five and one-half hours a day, instead of five as in the other high schools. About one-fifth of the time is given to the work of manual training, and the remainder to the subjects usually taught in high schools, with the exception of Latin and Greek.

The requirements for admission and the rules governing the Rindge Manual Training School are the same as for the Latin School.

For non-resident pupils the tuition is $150 a year, payable one-half at the beginning, and the other half at the middle of the school year. The sessions of the school begin at 8.30 A.M. and end at 2 P.M.

The following is from the report of the committee on high schools:—

There have been marked changes in the courses of study in the Rindge Manual Training School. In place of the general course we now have the industrial course, which gives those boys who select it more shop work in the last two years in order that they may be better fitted to enter their chosen trade on leaving the school. The modified courses which were put into effect in the English High and Rindge Manual Training schools three years ago have been further introduced, and the wisdom of those changes is being confirmed by the results. It has been the aim of the committee, with the assistance of the superintendent and the head masters of the high schools, so to arrange the courses of study for those boys and girls whose education either from necessity or preference terminates before or at graduation that they may be better fitted for their life work. The primary idea of this committee in arranging the courses of study in the English High and Rindge Manual Training schools has been to make them thoroughly practical, and at the same time to combine with this purpose the culture value of high school training. The college courses in our high schools have to remain much the same from year to year in order to meet the requirements of the colleges.

The number of pupils registered in the high schools since the opening of the term in September has been one thousand seven hundred eighty-one, fifty more than last year. The cost of instruction in these schools for the ensuing year will be approximately five thousand dollars less than last year. This is due principally to two causes. There are fewer teachers in the high schools, and teachers at lower salaries took the places of those who resigned.

In June one woman and two men resigned from the Latin School. At the opening of the school in September one man at a salary of $1,200 was added to the teaching force, making four men, besides the

head master, and eighteen women in the corps at present. Miss Jennie S. Spring has been appointed head assistant and is doing the senior work in Latin in a manner that is satisfactory to all. The number of pupils entering the school in September was about the same as last year, but not since 1890 have the boys in the entering class exceeded the girls in number. The present entering class has registered seventeen more boys than girls. Five boys in the school are receiving the benefits of Hopkins scholarships for 1908-1909. The Hopkins prizes were awarded in the senior class of 1908 to Hugh Mason for the boys and to Marguerite Sands Wood for the girls. The class of 1908 made a gift to the school of a large plaster cast of Mercury.

The most prominent event in the history of the English High School for the year was the resignation of the head master, Mr. Ray Greene Huling, at the regular meeting of the Board in June. The Board placed on record at that time the following which was unanimously adopted:—

"The school board at this time desires to place on record its deep regret at the resignation of Mr. Ray Greene Huling as head master of the English High School on account of his failing health.

"We wish to express our high appreciation of his able and efficient work during the past fifteen years as administrator and counsellor. His influence has been felt in the city beyond the school. His scholarship, his intelligent methods, his gentleness of spirit and gentlemanly bearing, his pleasant relations with pupils and teachers, and, above all, his character, have enabled him to exert an influence in the school, and, through his pupils, an influence in the community that cannot be over-estimated.

"Resolved, That the above be entered on the records of the school committee and that a copy be sent to Mr. Huling."

Miss Grace L. Deering, head assistant in the school, was nominated and confirmed as acting head master for the ensuing year or until a head master should be elected.

Another important change was brought about in this school at the Board meeting in September by the adoption of an order that hereafter boys be not admitted to the English High School, and that boys then in the school be transferred to the Latin or Rindge Manual Training schools, as they might elect. This change was made necessary by the gradual disappearance of the boys from the school. In September there were but thirteen boys, only four of whom were in

the entering class. There has, however, been a registration of six hundred thirty-one girls since September, which is a larger registration than that of any previous year. About seventy per cent. of the entering class, as in the previous two years, have selected the commercial course. This course cannot be efficiently and economically carried on until suitable equipment is provided. The crowded condition of the school has been somewhat relieved the present year by putting two classes in unoccupied rooms of the Latin School building, and removing the typewriters from the cloak room and corridor into the physics lecture room. Now that the English High School is a girls' school, the object and aim of the school should be to give young girls who have graduated from our grammar schools an opportunity to obtain the best possible training mentally, morally, and physically; to fit them to fill the high position of presiding over a home intelligently, gracefully, and economically; or to fit them for teaching, one of the noblest of professions; or to fit them to earn a livelihood in business lines. These objects can only be accomplished by keeping up a high standard of administrative and educational work in the school, and by continuing to employ a well-trained and experienced corps of teachers.

The past year has witnessed some substantial additions to the equipment of the Rindge Manual Training School. There has been a considerable increase in the number of pupils enrolled, five hundred ninety-five having been registered since the opening of the school in September. As there has been a decrease of one in the teaching force, the average number of pupils to a teacher is materially higher than ever before. This committee desires to call the attention of the Board to the fact that the cost of instruction under the support of Mr. Rindge in 1898 was $85.57 per pupil, and in the following year of 1899 under the support of the city it was $80.38, and that it has been gradually decreasing so that the cost of instruction last year was approximately sixty-two dollars per pupil while for the ensuing year the cost per pupil will probably be considerably less. These figures do not include the income from the tuition pupils of whom there are at present about thirty. The city will receive from tuition for these pupils over four thousand dollars.

The cost of text-books and supplies in the school last year was $9.07 per pupil, $1.65 less per pupil than for the previous year, and lower than the cost of any year since the school has been supported by the city. Notwithstanding the decrease in the cost of instruction and in supplies, it does not appear that there has been any loss of

efficiency, as the discipline is excellent and the number of boys doing creditable work is constantly increasing.

The new office equipment has benefited the commercial course and has tended to economy in the teaching force. All of the work in bookkeeping and office practice is now done in one large room with a capacity of eighty-two pupils in charge of two teachers. The room is furnished with thirty-two double tables for elementary bookkeeping and twelve offices where actual business is carried on between the boys of the different classes. The furniture is made of beautifully finished quartered oak, and the room presents an appearance of which the school and the city may be proud. The value of the equipment in facilitating the work of the commercial branches and in arousing the interest and enthusiasm of the boys is apparent. The changes in the course of study have produced broader and more practical commercial work. Every subject is taught in such a way as to bring out its relation to commerce. Because of this fact each subject contributes not only to general culture, but to the preparation of thoroughly trained office men and salesmen.

The additions to the equipment of the mechanical department have been made necessary by the rapid growth of the school. The crowded condition of the machine shop mentioned in last year's report became so serious that relief had to be afforded. A new shoproom is now being equipped, and much of the work of installation of machinery is being done by the boys outside of school hours. The new shop will provide bench room and machines for twenty-five boys. This will make possible a separation of the two classes previously combined in one shop, so that chipping, filing, fitting, and light machine work may be given to the boys of the junior class and the more advanced work, which involves the use of engine lathes, will be left until the senior year. The new course of study affects the mechanical department perhaps more fundamentally than it does any other in that the whole spirit of instruction for boys who do not select either the college or the commercial course is changed. By increasing the amount of time which may be devoted to mechanical subjects and by allowing specialization in some one branch, the object of the course becomes industrial training. It is interesting to note that this change brings the work of the school back to the lines approved by the founder of the school in 1888. The objects of the school as stated at that time were outlined in the following paragraph:—

"Boys should be admitted upon graduating from grammar schools provided that they could pass the required physical standard and at

the end of a three years' course be so far advanced that they would be competent to enter any shop as wood or metal workers at salaries of $1.25 to $2 per day and by faithful work have their pay increased to that of a first-class mechanic; or if they wished, pupils could be fitted by a similar course for the Institute of Technology."

The effect of the change in the course of study has already made itself felt. As in the case of the commercial course the definite object in all of the work arouses ambition and interest.

The school buildings have been made more attractive during the year by fresh paint and kalsomining and by various gifts to the school. The alumni association presented to the school a very satisfactory portrait of Mr. Frederick H. Rindge, painted by Mr. Charles H. Richert, a teacher in the school.

The senior class contributed four beautiful stained glass windows for the assembly hall; the sophomores, two quartered oak bulletin boards with wrought iron trimmings; and the freshmen, green velvet hangings for the assembly hall. A large framed picture of St. Gaudens' statue of Lincoln was presented to the school by Miss Minnie Drew.

One fact which deserves attention is the great number of changes which have taken place in the teaching force of the school. Since September, 1907, there have been eighteen changes of teachers in a corps which totals only twenty-four. The reason for the change is in nearly every case an offer of increased salary in some other school. If this great number of changes is to continue, it seems imperative that the grade of master similar to that in the Latin and English High schools should be established in the Rindge Manual Training School, and we should pay teachers of proved ability salary enough to insure their retention in the school. Otherwise the continuity and efficiency of the work in the school can be maintained only with great difficulty.

The need which prompted recommendations in the reports of the past two years that an adequate electrical equipment be obtained becomes more and more pressing. This equipment is not only needed for the day school, but it could also be used to satisfy the rapidly increasing demand for instruction in electricity in the Evening Industrial School.

There seem to be many reasons why an effort should be made to bring our high schools and the community more closely in touch. As matters are now arranged, all Cambridge boys who are trying to fit themselves for vocations by a high school training are in the Rindge Manual Training School. This school has assumed the responsibility

of fitting boys for definite commercial and industrial lines of work, and this, if well done, will greatly increase the earning power of the boys. Since this kind of school work directly affects the business men of the community, it ought not to be difficult to get some public-spirited men who live in Cambridge to form an advisory committee for the purpose of offering suggestions in regard to the practical results of the training that the boys receive.

MANUAL TRAINING IN OTHER SCHOOLS.

The statutes require that every town and city of twenty thousand or more inhabitants shall maintain, as part of both its elementary and its high school course, the teaching of manual training. The Rindge Manual Training School gives the required instruction to boys of the high school grade, and provision is made in the English High School for girls of this grade, dressmaking and sloyd being taught in the second year, and cooking in the third. Sewing in the grammar schools may be considered as meeting the requirements for the girls of the grammar school grades.

The following is from the report of the instructor in manual training:—

The course of study provides that boys of the eighth grade shall have one hour a week for manual training. In accordance with this, eight classes in the five following schools are now taking up this work—the Fletcher, Kelley, Putnam, Roberts and Wellington.

The manual training room at the Roberts School is used by classes from the Fletcher, Kelley, Roberts and Wellington schools, each class having a whole afternoon session once every two weeks.

In the limited time allowed, a small amount of elementary work only can be accomplished, as there has been no previous training. The course at present consists of a few simple, useful models; the aim being to teach thoroughly a very few of the principal operations of wood-work, at the same time developing individual initiative.

Cambridge is doing all she can with her present limited equipment. There is, however, a large field in the lower grades where cardboard work, weaving, or some other simple form of manual training can be carried on by the grade teachers, who are capable of teaching this work under the direction of the instructor in manual training. Work of this nature is welcomed by practically all elementary school teachers and the expense for equipment is low.

WELLINGTON TRAINING SCHOOL.

This school was opened in September, 1884, and differs from the other schools in this respect—all the grades, except the eighth and ninth, are taught by young teachers. Their work, however, is done under the immediate supervision of a master and three assistants, who are held responsible for the instruction and management of the school. For several years the seventh grade has been taught by a graduate of the training class.

The object of conducting a school on this plan is to give Cambridge young women who desire to teach, and who have made special preparation for the work, an opportunity to gain experience under conditions favorable to their own success, and without prejudice to the interest of their pupils.

Graduates of the English High School or of the Latin School, who have also graduated from one of our State normal schools, are preferred candidates for the position of teacher in this school. Other persons of equal preparation may be appointed.

The required term of service is one year. Teachers are appointed on probation, and may be excused or dismissed at any time by the superintendent, with the approval of the committee on the training school.

No teacher is considered a graduate of the school until by vote of the training school committee she is admitted to the graduate class, which is known as Class B.

The money compensation for the first three months, and until satisfactory service is rendered, is at the rate of $200 a year. For the remaining part of the year it is at the rate of $250.

Graduates temporarily employed as teachers in this school are paid at the rate of $300 a year. Graduates selected to act as substitutes in any school are paid at the rate of $450.

That the direct influence of the school may be continued, it is the duty of the master, or one of the supervising teachers, occasionally to visit the schools of the graduates who are teaching in Cambridge. The school contains all the grades of the grammar and primary schools and a kindergarten.

By the Rules of the School Board the superintendent is authorized to employ as many substitutes and temporary teachers as may be necessary to take the places of absent teachers. These teachers are usually assigned to the Wellington School, when not otherwise employed, that there may be at this school a sufficient number of

teachers to make it practicable for the members of the training class to visit other schools.

The following is from the report of the committee on the Wellington School:—

Another year of successful work has been completed by the Wellington School, the Cambridge training school for teachers. On February 10, 1908, the work was interrupted by a fire which injured nine rooms in the oldest part of the building. This made it necessary to send the third, fourth and fifth grades to the Felton and Merrill schools, and the kindergarten to the Kelley School, for such a length of time as is required to repair damages. The city decided that the best way to repair the damages was to replace the old building by a new one, and make it larger by six rooms. There is now in process of erection an addition of fifteen rooms, which will make when completed a school building containing twenty-five modern, well lighted, properly heated, and thoroughly ventilated schoolrooms. This will make the Wellington schoolhouse the largest grammar school building in the city, and one that is built so as to be nearly fireproof.

Between September, 1907, and September, 1908, fifteen young women were admitted to the probation class. Of this number, fourteen accomplished the required work and graduated from the school; one withdrew. Seven of these graduates are employed by the city; six are employed in the Wellington School, and one has gone to Brookline to teach. There are no unemployed graduates.

Housed in its new building next September, the Wellington School hopes to celebrate its twenty-fifth anniversary and receive thereby encouragement to launch out into another quarter century of earnest educational work.

GRAMMAR SCHOOLS.

The number of pupils in these schools in December was seven thousand seven hundred twenty-six, and the number of teachers, including the masters and special teachers, was two hundred.

The cost of instruction for each pupil for the year from December 1, 1907, to December 1, 1908, was $20.64. This does not include the cost of supervision or the cost of the Wellington School.

For non-resident pupils the tuition is $30 a year, payable one-half at the beginning, and the other half at the middle of the school year.

The course of study is for six years, but the schools are so classified as to give the pupils an opportunity to complete the course in four years or in five years. The average age of those who entered the grammar schools last September was nine years eight months. The number of graduates in June was seven hundred fifty-three, their average age being fourteen years nine months. Of these, 7 per cent. completed the course in four years, 24 per cent. in five years, 52 per cent. in six years, and 17 per cent. in seven years or more.

Pupils are promoted by classes from the primary schools at the beginning of the autumn term; but individual pupils may be promoted at other times, if it is deemed expedient by the supervisor of primary schools and the superintendent.

Promotions from grade to grade in the grammar schools, and from the grammar to the high schools, are made by the teachers under the direction of the masters and the superintendent. Pupils qualified to join existing classes may be admitted at any time on application to the master of the school. No regular preannounced examinations are held in these schools, but the results of such written exercises and reviews as the teachers and masters may require from time to time may be used as a part of the basis of promotion.

The thoroughness with which the work is done in the grammar schools is shown in part by the ability of the pupils to do the work in the high schools. The pupils are admitted to the high schools on trial, and a pupil in any of the high schools who, during the first three months of the school year, has failed to do the work required and who has shown a lack of reasonable effort to reach a satisfactory standard, may, on recommendation of the head master, be placed on special probation by the superintendent, and if at the end of February he has not made his record satisfactory, he may, on recommendation of the head master and superintendent, approved by a vote of the committee on high schools, be required to withdraw from the school. A pupil so excluded shall not be readmitted until the beginning of the next school year. A second exclusion shall be final.

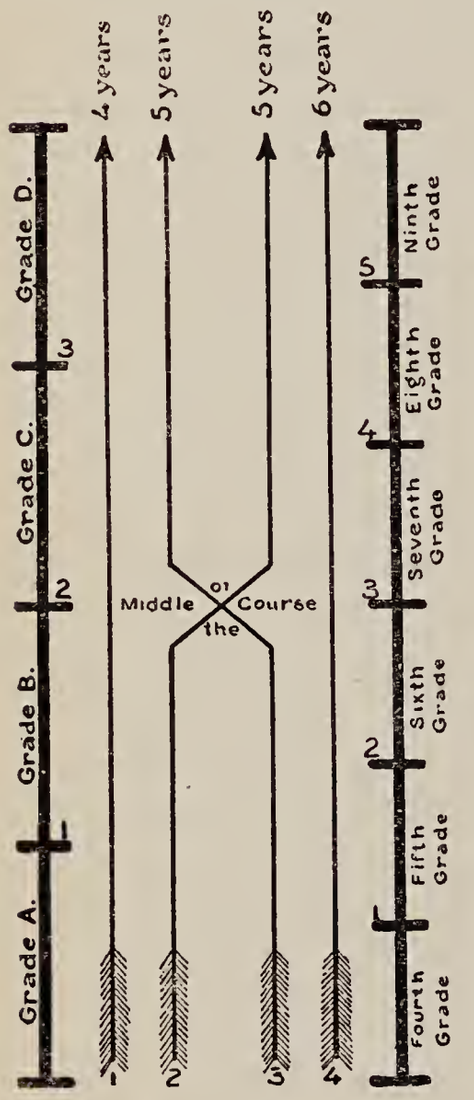
In the grammar schools, special teachers are appointed to help such pupils as seem able to do the work in less than six years, and to aid those who without personal instruction would require more than six years. This action of the committee removes the most serious objection to the graded system of schools.

The course of study is divided in two ways: (1) into six sections; (2) into four sections; each section covering a year's work.

Pupils taking the course in six years are classified in six grades, called the fourth, fifth, sixth, seventh, eighth and ninth grades. Those taking it in four years are classified in four grades, called grades A, B, C and D. When pupils are promoted to the grammar schools they begin the first year's work together. After two or three months they are separated into two divisions.

One division advances more rapidly than the other, and during the year completes one-fourth of the whole course of study. The other division completes one-sixth of the course.

During the second year the pupils in grade B are in the same room with the sixth grade. At the beginning of the year they are five months (one-half the school year) behind those in the sixth grade. After two or three months grade B is able to recite with the sixth grade, and at the end of the year both divisions have completed one-half the course of study—the one in two years, and the other in three years. The plan for the last half of the course is the same as for the first half, the grades being known as the seventh, eighth, and ninth, in the one case, and as C and D in the other.



There are also two ways of completing the course in five years: (1) any pupil who has completed one-half the course in two years may, at the end of that time, be transferred to the seventh grade, and finish the course in three years; (2) any pupil who has completed one-half the course in three years may, at the end of that time, be transferred to grade C, and finish the course in two years. In both cases these changes can be made without omitting or repeating any part of the course.

It is now seventeen years since the schools were first classified on this plan. During this time ten thousand two hundred three pupils have graduated from the grammar schools. Of this number, 7 per cent. completed the course in four years, 28 per cent. in five years, 50 per cent. in six years, and 15 per cent. in seven or more years.

Arrow No. 1 indicates the four years' course; grades A, B, C, D. Arrow No. 2 indicates one of the five years' courses; grades A, B, 7, 8, 9. Arrow No. 3 indicates the other five years' course; grades 4, 5, 6, C, D. Arrow No. 4 indicates the six years' course; grades 4, 5, 6, 7, 8, 9.

Of the number who entered the Latin School from the Cambridge grammar schools during the past fourteen years and remained a year, 15.6 per cent. did the work in the grammar schools in four years, 43.0 per cent. in five years, 38.6 per cent. in six years, and 2.8 per cent. in seven or more years. Of those who entered the English High School from the Cambridge grammar schools and took the general course and remained a year, 7.9 per cent. did the work in the grammar schools in four years, 35.0 per cent. in five years, 46.5 per cent. in six years, and 10.6 per cent. in seven or more years; of those who took the commercial course, 8.1 per cent. did the work in the grammar schools in four years, 31.7 per cent. in five years, 50.0 per cent. in six years, and 10.2 per cent. in seven or more years. Of those who entered the Rindge Manual Training School from the Cambridge grammar schools and remained a year, 4.6 per cent. did the work in the grammar schools in four years, 31.2 per cent. in five years, 52.3 per cent. in six years, and 11.9 per cent. in seven years or more.

During the past fourteen years more than 45 per cent. of the pupils entering the high schools from the Cambridge grammar schools did the work in the grammar schools in less than six years, 35.7 per cent. doing it in five years, and 9.5 per cent. in four years.

It does not follow, however, that because so many did the work in less than the full time that the plan is a good one. Its value is shown, rather, by the thoroughness with which the work has been done, not in one year only, but in a series of years. The results of the first year's work in the high schools would seem to be a test of this thoroughness. The records in these schools show that for fourteen years the marks of the pupils who were four years in the grammar schools were higher than were the marks of those who were five years in the grammar schools; and that the marks of those who were five years in the grammar schools were higher than were the marks of those who were six years in the grammar schools.

The average per cents of the first year's work in the different high schools for fourteen years are as follows:—

In the Latin School, the average per cent. of the pupils who completed their grammar school course in four years is 79.4; of those who completed it in five years, 75.4; of those who completed it in six years, 72.3.

In the general course in the English High School, the average per cent. of the pupils who completed their grammar school course in four years is 77.9; of those who completed it in five years, 75.6; of those who completed it in six years, 72.6.

In the commercial course in the English High School, the average per cent. of the pupils who completed their grammar school course in four years is 73.8; of those who completed it in five years, 72.6; of those who completed it in six years, 70.2.

In the Rindge Manual Training School, the average per cent. of the pupils who completed their grammar school course in four years is 71.7; of those who completed it in five years, 69.1; of those who completed it in six years, 68.3.

The following tables will be of interest as showing the results of the first year's work in the high schools of the fourteen classes from 1895 to 1908 inclusive:—

IN THE LATIN SCHOOL

Record of Fourteen Different Classes	Four Years in Grammar Schools	Five Years in Grammar Schools	Six Years in Grammar Schools
First Year in High Schools	Average per cents in High Schools	Average per cents in High Schools	Average per cents in High Schools
Class of 1895.....	78.7	78.9	76.4
Class of 1896.....	80.4	77.0	71.6
Class of 1897.....	79.3	72.5	66.9
Class of 1898.....	77.1	72.3	67.8
Class of 1899.....	80.0	73.0	61.8
Class of 1900.....	81.1	75.9	75.4
Class of 1901.....	79.6	75.2	70.1
Class of 1902.....	81.0	77.5	74.7
Class of 1903.....	83.0	79.1	74.7
Class of 1904.....	81.0	76.6	75.9
Class of 1905.....	78.2	77.8	73.5
Class of 1906.....	79.0	70.6	70.1
Class of 1907.....	78.1	74.4	74.5
Class of 1908.....	76.7	76.2	73.1

IN THE ENGLISH HIGH SCHOOL, GENERAL COURSE

Class of 1895.....	77.3	76.2	73.4
Class of 1896.....	85.9	75.1	76.4
Class of 1897.....	79.7	78.7	72.2
Class of 1898.....	77.6	75.8	77.0
Class of 1899.....	75.6	75.1	69.1
Class of 1900.....	79.2	73.4	71.1
Class of 1901.....	72.8	75.2	73.2
Class of 1902.....	82.2	75.3	74.3
Class of 1903.....	86.6	77.0	72.7
Class of 1904.....	75.3	76.6	75.4
Class of 1905.....	76.7	75.3	74.0
Class of 1906.....	78.1	74.6	70.3
Class of 1907.....	70.3	73.4	68.0
Class of 1908.....	73.5	74.5	71.5

IN THE ENGLISH HIGH SCHOOL, COMMERCIAL COURSE

Record of Fourteen Different Classes	Four Years in Grammar Schools	Five Years in Grammar Schools	Six Years in Grammar Schools
First Year in High Schools	Average per cents in High Schools	Average per cents in High Schools	Average per cents in High Schools
Class of 1895.....	73.7	73.5	69.8
Class of 1896.....	74.8	70.9	68.4
Class of 1897.....	76.3	69.0	69.3
Class of 1898.....	75.7	73.8	69.5
Class of 1899.....	69.5	68.5	68.9
Class of 1900.....	69.2	73.6	72.5
Class of 1901.....	76.0	73.6	70.5
Class of 1902.....	74.9	75.5	73.3
Class of 1903.....	74.3	76.6	70.9
Class of 1904.....	72.7	73.1	69.6
Class of 1905.....	75.7	74.1	69.8
Class of 1906.....	68.7	70.9	70.1
Class of 1907.....	81.0	72.6	70.9
Class of 1908.....	73.6	72.6	68.0

IN THE RINDGE MANUAL TRAINING SCHOOL

Class of 1895.....	72.6	65.4	65.9
Class of 1896.....	79.3	63.5	65.2
Class of 1897.....	78.6	67.2	61.7
Class of 1898.....	81.7	69.5	68.9
Class of 1899.....	....	67.5	67.8
Class of 1900.....	72.6	69.6	68.0
Class of 1901.....	80.0	67.8	68.4
Class of 1902.....	80.4	71.9	69.2
Class of 1903.....	70.4	73.5	70.3
Class of 1904.....	76.2	71.6	68.7
Class of 1905.....	64.8	68.7	68.7
Class of 1906.....	53.2	66.3	66.3
Class of 1907.....	75.9	70.7	71.5
Class of 1908.....	71.3	69.6	68.5

The results already given are based on the first year's work in the high schools. For eight years results have been obtained based on the full course in the high schools. During these eight years, four hundred sixty-five pupils have graduated from the Latin School. Of these four hundred sixty-five, three hundred sixty-seven were graduates of the Cambridge grammar schools. Of these three hundred sixty-seven, seventy-two did the work in the grammar schools in four years, and their average per cent. for the Latin School course was 80.8; one hundred eighty-nine did the work in the grammar schools in five years, and their average per cent. for the Latin School course

was 76.2; one hundred one did the work in the grammar schools in six years, and their average per cent. for the Latin School course was 74.9; five did the work in the grammar schools in seven years, and their average per cent. for the Latin School course was 71.9.

During the eight years six hundred thirty-six pupils have graduated from the English High School. Of these six hundred thirty-six, five hundred thirty-three were graduates of the Cambridge schools. Of these five hundred thirty-three, forty-seven did the work in the grammar schools in four years, and their average per cent. for the high school course was 76.6; two hundred two did the work in the grammar schools in five years, and their average per cent. for the high school course was 76.1; two hundred forty-five did the work in the grammar schools in six years, and their average per cent. for the high school course was 74.4; thirty-nine did the work in the grammar schools in seven years, and their average per cent. for the high school course was 72.9.

PRIMARY SCHOOLS.

The number of pupils in these schools in December was five thousand seven hundred sixty-five, and the number of teachers was one hundred forty-one.

The cost of instruction for each pupil from December 1, 1907, to December 1, 1908, was $16.11. This does not include the cost of supervision or the cost of the Wellington School.

For non-resident pupils the tuition is $20 a year, payable one-half at the beginning, and the other half at the middle of the school year.

The course of study is for three years. Children five years old are admitted to the first grade at the beginning of the school year and during the first week in March. Pupils qualified to join existing classes may be admitted at any time on application to the principal. At the present time 38.9 per cent. are in the first grade, 30.9 per cent. in the second, and 30.2 per cent. in the third.

One thousand five hundred forty-three pupils were promoted to the grammar schools in June, at an average age of nine years six months. Of these, 5 per cent. completed the course of study in less than three years; 64 per cent. in three years; 3 per cent. in three and a half years; and 28 per cent. in four years or more.

Promotions from grade to grade in the primary schools, and from the primary to the grammar schools, are made by the primary teachers, under the direction of the supervisor of primary schools and

the superintendent. Promotions by classes are made annually at the beginning of the autumn term; but individual promotions are made at other times if it is deemed expedient by the supervisor of primary schools and the superintendent.

Pupils are promoted to the grammar schools on trial, and those who show by their work that they are unprepared are returned to the primary schools on the approval of the supervisor of primary schools and the superintendent.

Once a month the teachers of each primary grade meet the directors of special studies and the supervisor of primary schools. These meetings are held in the English High School building on Wednesday afternoons, half an hour after the close of the schools. The work for the coming month is planned; criticisms and suggestions in regard to the methods are made; and questions from the teachers are answered and discussed.

Occasionally specimens of written work from all the pupils are brought for examination. In this way the amount of work done in the schools is made somewhat uniform; new teachers are kept informed as to the requirements, and pupils lose less time when a change of teacher or school becomes necessary.

The supervisor of primary schools writes as follows:—

The three ungraded classes established by the superintendent in the Boardman, Gore, and Taylor districts have proved their usefulness, and the desirability of adding to the number of these classes in other parts of the city is increasingly evident. In most districts a single class could receive all the special pupils of two or three neighboring buildings.

During the year 1907-08 the ungraded classes numbered ninety different pupils between eleven and fifteen years of age. Of these, fifty-eight were born in countries in the southern and eastern parts of Europe. Many of them had no knowledge of reading and writing in any language, while some of them had only to learn to translate into English what they already knew. This they did with remarkable facility when given individual instruction. They can gain very little from class exercises. Of the ninety pupils, nine obtained certificates to go to work and fourteen were promoted to the fourth grade during the year. The grammar principals received them whenever they were offered. Forty-two were promoted at the regular time in June. The others moved away or remained to finish the work this year.

Had these pupils remained in the primary grade they would have proved a serious embarrassment to the classes to which they belonged

and they would have felt out of place and dissatisfied. Placed in rooms by themselves they were happy, at ease, and ambitious to learn as fast as possible. This ambition was fostered by their parents who urged them to fulfill the requirements of the school law in regard to reading and writing.

Cordial relations between the pupils of the ungraded classes and their teachers were very noticeable and gratifying. Boys who under other conditions might have proved troublesome were cheerful, loyal, and responsive. The present classes have nearly the same conditions as those of last year, but the number who do not speak English has increased. Four pupils have already been promoted to the fourth grade and four others have obtained certificates to go to work.

During the past year the reading in all the grades has gained an impetus from the interest the teachers and children have taken in reproducing orally and dramatizing the folk stories found in the different readers. Much is expected from the new system of reading which the teachers have been studying with interest.

The children have become accustomed to the new system of writing and are making good progress in it. The increase in the number of adjustable desks has been very helpful.

In conclusion I wish to bear witness to the enthusiasm with which the teachers have responded to all demands made upon them; to express my appreciation of the helpfulness of suggestions and encouragement given by the superintendent; and to acknowledge the many courtesies received at the hands of the school board as well as the warm interest they have always manifested in the welfare of the teachers and pupils.

KINDERGARTENS.

The number of pupils in the sixteen kindergartens in December was eight hundred sixty-seven, an increase of eighty-seven over last year, and the number of teachers was thirty, a decrease of one.

The cost of instruction for each pupil from December 1, 1907, to December 1, 1908, was $27.15. This does not include the cost of supervision.

To be eligible to a position in a kindergarten, a teacher must have had a course in a high school, a course in a kindergarten normal school, a year's experience in teaching either in a kindergarten or a primary school, and must be able to play the piano.

Students in kindergarten normal classes are given opportunities

to observe during their two years' course, and are allowed one month's experience in the first primary grade, but it is not deemed expedient for them to observe after graduation.

Teachers in kindergartens are to use their afternoons in visiting the homes of their pupils, with a view of maintaining friendly relations with the parents and of securing regularity of attendance, except when the time is needed for preparation for their work, and they are to make reports on blanks prepared for this purpose.

The following is from the report of the committee on kindergartens:—

The number of visits made by the kindergarten teachers to the homes of the children during the year was four thousand two hundred forty-six. The number of mothers' meetings was one hundred thirty-seven.

A remarkable series of meetings was held in the spring in the interest of the kindergartens. The proposal to give up the kindergartens was discussed, as it appeared that the funds would not be sufficient to continue all the departments upon the same basis as in the past. These meetings were held in all parts of the city, and were attended by large numbers of people interested in the schools.

The good will of the people toward the kindergartens was shown in many ways. Parents whose children had received the benefit of kindergarten training were practically unanimous in desiring to have these schools continued. The workers in the societies whose aim is social betterment testified that the work of the kindergartens is closely allied to many of the movements for social uplift.

The meetings made it clear that the kindergartens are greatly valued by the people who have been served by them, that their work is appreciated, that their methods are accepted as natural and proper in elementary education, and that they have an important place in social service.

In September the Gannett Kindergarten was changed to a single kindergarten and the assistant, Miss Marion L. Akerman, was transferred to the morning session of the Willard Kindergarten to fill a vacancy caused by the transfer of Miss Lucy E. Whipple to primary work. The Gannett Kindergarten now numbers thirty-one and is in an excellent condition.

Another feature noticed is the growing interest of the kindergarten observers in primary work. Three of last year's observers are now studying primary methods in the Wellington School. The present observers are showing an enthusiasm and an ability to make

themselves useful in the time given them for primary observation. The gap between the kindergarten and the first grade is disappearing with better understanding and more interest on the part of teachers of both grades.

One kindergartner reports the following list of meetings: October: Preservation of the health. December: Christmas festival. February: Care of the teeth. April: A Pilgrimage to Lourdes. May: An afternoon with the children at regular work.

She then adds this explanatory note: "These meetings have been held in connection with the whole school, the primary teachers and mothers joining with us and thus bringing a closer relation and insuring a larger attendance and an interest that includes all in the district."

When the new room is finished for the Wellington Kindergarten which now meets in the afternoon in the room of the Shaw Kindergarten at the Kelley School, and when a suitable place is provided for the kindergarten that now meets in the afternoon at the Willard School, the accommodations for these schools will be ample.

SPECIAL STUDIES.

The committee on special studies has supervision of the instruction in nature study, drawing, music, sewing, and physical and industrial training in the grammar and primary schools.

NATURE STUDY.

The work in nature study includes the study of plant and animal life with some study of minerals and of weather phenomena.

The study of plants was first undertaken, and still makes up the larger part of the work. The study of animal life consists mainly of lessons on insects and birds. The work with minerals is confined to lessons on common metals and on building stones.

Plants are studied in grades one to four, inclusive; insects in grades, one, two, and four; birds in grade four; weather phenomena in grades one to three, inclusive; and minerals in grade four.

Specimens chosen for study are those in which the pupils have a present interest, and all work is based on present experience. It is kept well within the capabilities of the children, yet novel enough to

require their best effort. Whenever it is possible, the nature study is made to correlate with the work in other branches.

The results sought are increasing knowledge of facts gathered by observation; familiarity with environment; and a growing sympathy with nature.

The work in nature study is conducted by the regular teachers.

DRAWING.

The course in drawing and art study has for its aim the development of artistic skill and the appreciation of beauty in nature and in art. A detailed outline of the course, in the form of neostyle copies, is furnished to the teachers in the primary and grammar schools.

The plan of the course consists of several series of progressive lessons and problems in form, designing, and color.

In the study of form the most important of the series of lessons are the following: Drawing of type forms, drawing from common household objects, toys and tools; exterior views of buildings in the pupil's own neighborhood; drawing leaves, flowers, fruit, vegetables, shells, and insects from nature; working drawings of objects and tools; plans of rooms in the pupil's own home, etc. The more advanced problems are worked out, some in light and shade effects, and others in color.

The study of form is not confined to existing forms, but obtains a strong impetus in the field of inventive drawing. Efforts for original forms of useful objects and of units for the decoration of surfaces and objects; composition of landscapes; plans of gardens and home surroundings; illustrative drawings; letterings and monograms; these constitute the more important problems in designing.

The study of color consists of a series of lessons upon scales, brush, sketches, and harmony.

The time given to drawing is sixty minutes per week in the first four grades, and eighty minutes per week in grades five to nine inclusive. This time is divided into two lesson periods.

In the English High School drawing is a required study in the first year and may be taken as an extra study after the first year. The plan of instruction includes studies from objects, casts, sprays of leaves, flowers, fruit, and landscapes worked out in pencil, charcoal, or color; drawing to scale, designing, and color harmony.

In the English High School the instruction in drawing is given

by the director and his assistant. In the Rindge Manual Training School there are three teachers of drawing and the work is done under their immediate instruction. In the grammar and primary grades instruction in drawing is given by the teachers under the supervision of the director and his assistant.

For many years the director of drawing has given courses of illustrated lessons to the teachers at which the attendance is voluntary. The object of these lessons is to make the teachers thoroughly familiar with the art they are about to teach to the children. The meetings are held in the English High School building after the close of the afternoon session.

MUSIC.

The New Educational Music Course is used by the regular teachers in the primary and grammar grades under the supervision of the director of music and his assistant. In the high schools the music is conducted by the director. Every pupil who is capable of learning to sing is required to give attention to this subject.

In the Latin, English High, and Rindge Manual Training schools forty-five minutes a week are given to the study of musical form and expression as found in choruses, quartettes, etc., from the standard oratorios and operas.

Elementary harmony, counterpoint, and composition have been introduced as elective studies for the first and second classes, and boys as well as girls having a special aptitude for music naturally elect these studies, the only requisite being some knowledge of the pianoforte. Pupils of the fourth year in the English High School may elect harmony in place of astronomy, and those intending to go to a normal school are advised to take the course in harmony.

The students are instructed in scale formation, intervals, and a logical and comparative view of all true chords, in order to give them the power to construct and resolve these chords for themselves.

The study of harmony is carried well into modulation, and the study of counterpoint is carried through the four simple orders or species, including both the major and minor modes.

Two periods of fifty minutes each week are devoted to instruction and occasionally the best compositions of the students are sung or played before the entire school, showing in this way the practical side of the work, which will prove an important factor in future teaching.

In the Rindge Manual Training School the young men are taught

to sustain their parts, without accompaniment, in compositions of four part harmony (first tenor, second tenor, first bass, and second bass), the music being selected and arranged for this purpose.

Fifteen minutes a day in the primary and grammar grades are devoted to this study; and pupils in the grammar grades are taught to sing and sustain their parts in reading compositions in two, three, and four parts.

Memorizing music is a feature in all the grades, including the high schools, and in all graduating exercises it is expected that the music by the pupils will be sung or played without notes. To this end rote singing in all the schools forms a part of the instruction in reading music.

This feature of the work in music is emphasized. Pupils are drilled upon words and music until both are thoroughly learned. When a song has been learned in this way it is added to the list of the "songs we know." This list is kept on the blackboard in sight of the pupils, and they have pleasure in adding to the record of their musical possessions.

On the afternoon of Thursday, the twenty-first of May, the pupils of the seventh grade had a musical festival in Sanders Theatre. Under the leadership of Mr. Frederick E. Chapman, the director of music, the children sang without instrumental accompaniment and without referring to their music books. The festival was of special interest as showing the quality of the regular work in music.

PROGRAM.

Omnipresence.	Peter Ritter
Where Would I Be.	Karl Zöllner
Stars of the Summer Night.	I. B. Woodbury
Last Night.	Halfdan Kjerulf
The Four Seasons.	Haydn
Fling Wide the Door.	Ciro Pinsuti
To Thee, O Country.	Julius Eichberg
My Rose.	Luigi Caracciolo
The Old Saber.	Jacques Offenbach
Dixie.	Dan Emmett
Lift Thine Eyes.	Mendelssohn
Hymn To Our Country.	German Folk Tune
At Parting.	Harvey Worthington Loomis
Abide With Me.	William H. Monk

SEWING.

Sewing is taught to the girls of the three lower grades in the grammar schools by three teachers who give full time to the subject,

and by one teacher who gives three-tenths time. The boys in the fourth grade who desire the instruction are given lessons in sewing by the regular teachers.

PHYSICAL TRAINING.

The Ling system of physical training is used in the schools. Daily in the grammar grades ten minutes are allowed and in the primary grades fifteen minutes. During the months of September, October, November, April, May, and June, the primary classes have the privilege of outdoor recesses, while during December, January, February, and March the time is spent in games and marching.

The essential aim of all the teaching in physical training is to make the period one of recreation and healthful exercise, thus counteracting in part the tendency to spinal curvature and flat chest caused so often by sitting so many hours a day at the school desk.

EVENING SCHOOLS.

The following account of the evening schools is given by Mr. Sanford B. Hubbard, the agent of the school committee, who had general supervision of these schools during the winter of 1907-1908:—

There are eight evening schools,—one industrial school, two drawing schools, one high school, and four elementary schools. In accordance with the Rules of the School Board, there are two terms of the evening schools. The first term begins on the second Monday of October and continues every Monday, Wednesday, and Friday evening until the end of the week before Christmas. The second term begins on the first Monday, Wednesday, or Friday evening after the opening of the day schools in January, and continues thirty-five evenings. The sessions begin at half past seven o'clock and continue two hours. No session is held on the evening of a holiday, or during the vacations of the day schools.

The Evening Industrial School, the two drawing schools, and the classes in dressmaking and millinery in the elementary schools have been carried on under the direction of the Massachusetts Commission on Industrial Education from October 14, 1907, to March 20, 1908, and the school committee has managed them for the Commission.

The Evening Industrial School is held at the Rindge Manual Training School building, and offers courses in machine shop work,

wood-turning, pattern-making, forging, and foundry work. The head master of the Rindge Manual Training School is principal of the school.

The Mechanical Drawing School occupies three rooms in the Washington building and is also under the charge of the head master of the Rindge Manual Training School. This school provides two courses in drawing,—a three years' course in machine drawing, and a three years' course in architectural drawing.

The Free-hand Drawing School occupies one room in the English High School building and is under the supervision of the director of drawing for the day schools. This school offers a three years' course in free-hand drawing which includes drawing from a life model. Diplomas are given to graduates of both drawing schools.

The evening High School is held in the English High School building and offers a three years' course of instruction in the following subjects: Commercial arithmetic, bookkeeping, algebra, geometry, stenography and typewriting, English composition, English literature, civics, history, Latin, French and German. Diplomas are given to graduates of the three years' course.

The evening elementary schools occupy rooms in four of the grammar school buildings, the Putnam, Roberts, Shepard, and Webster. Reading, writing, arithmetic, geography, language, history, and bookkeeping are taught in these schools in classes, so far as classification is possible, but a large part of the work is individual. No definite course is arranged, but an opportunity is offered to pupils to prepare to enter the Evening High School, and certificates are given to those who are qualified to begin work in that school. In addition to the subjects given above, classes in civil service, sewing, dressmaking, millinery, wood-working, and mechanical drawing are formed when a sufficient number express an intention to take any one of these courses.

The following tables shows the attendance at the evening schools for the year 1907-1908, including the attendance at the industrial schools and at the industrial classes in the elementary schools:—

	Number Registered	Average Attendance	Average No. of Teachers*	Average No. of Pupils to a Teacher	Number of Graduates
Industrial School	93	57	4	14	3
Mechanical Drawing	78	47	4	12	5
Free-hand Drawing	64	30	2	15	6
High School	389	185	11	17	26
Putnam School	873	360	24	15	25
Roberts School	992	360	23	16	38
Shepard School	194	108	9	12	12
Webster School	294	110	8	14	13
Total	2,977	1,257	85	15	128

* The principals and curators are not included in these averages.

The following table shows the attendance at the industrial schools and at the industrial classes in the elementary schools which were carried on under the direction of the Massachusetts Commission on Industrial Education:—

	Number Registered	Average Attendance
Industrial School	93	57
Mechanical Drawing School	78	47
Free-hand Drawing School	64	30
Putnam School	161	64
Roberts School	173	61
Shepard School	88	48
Webster School	58	17
Total	715	324

The following table shows the cost of the evening schools for the year 1907-1908, including the cost of the industrial schools and of the industrial classes in the elementary schools:—

	Cost of Instruction	Net Cost of Text-books and Supplies	Cost of Light, Fuel, and Janitors	Total Cost	Cost per Pupil
Industrial School	$1,474 00	$288 09	$751 46	$2,513 55	$44 09
Mechanical Drawing	869 00	23 69	212 22	1,104 91	23 51
Free-hand Drawing	473 00	39 83	52 78	565 61	18 85
High School	1,839 00	90 42	580 65	2,510 07	13 56
Putnam School	2,804 00	58 49	577 23	3,439 72	9 55
Roberts School	2,733 00	162 22	639 91	3,535 13	9 82
Shepard School	1,262 50	11 59	194 72	1,468 81	13 60
Webster School	1,180 50	3 91	253 41	1,437 82	13 07
Total	$12,635 00	$678 24	$3,262 38	$16,575 62	$13 18

The total cost of the industrial schools and of the industrial classes in the elementary schools from October, 1907, to March 20, 1908, was $5,717.52, and the city has filed a claim for the reimbursement of one-half of this amount in accordance with Chapter 505 of the Acts of 1906.

VACATION SCHOOLS.

The vacation schools opened on Monday, July 6, in six school buildings, the Rindge Manual Training, the English High, the Putnam, Roberts, Shepard and Webster, and continued for five weeks.

There were two sessions of two hours each for five days each week, one division attending the first two hours and another the last two. Pupils from all grammar grades in the city were allowed to attend, and one thousand one hundred forty-two cards of admission were issued from the office. These cards were given in order that the pupils might know which school they were to attend and that the work might begin without loss of time. After the first day any grammar school pupil was allowed to enter any division where there was room.

One thousand three hundred sixty-eight pupils were registered, and the average attendance was nine hundred seven, an increase of one hundred five over last year. This was the largest average attendance the vacation schools have ever had, and the interest continued until the close of the schools in spite of the very hot weather. Five teachers of sloyd were employed, two of basketry, two of cooking, seven of sewing, and eight in the work with the younger pupils. After the first week a teacher of singing was employed, who made as frequent visits to the schools as time would permit.

Music thus became an important part of the program in the summer schools. The technical study of music was not attempted, but many songs were learned by rote. The pupils became thoroughly familiar with the words and the tunes, and so the joy of singing was added to the other privileges of the vacation schools.

The older pupils were given a choice between two hours of sloyd and two hours of basketry, cooking or sewing. The drawing in connection with the sloyd was omitted this year and the teachers all agreed that the boys worked harder and were much happier in the two hours of sloyd than they were when they had one hour of sloyd and one of drawing. The work showed much improvement both in quantity and in quality. The boys appreciated the privilege of having more time in which to work with tools. The instructors

used the longer periods in such ways that a more finely finished product resulted. As the boys were encouraged to do better work, and were given more time in which to do it, the attendance was regular and the enthusiasm continued throughout the term.

The younger pupils were given lessons in water color painting, reading, writing, and in many varied kinds of work that were helpful and interesting. The teachers of these younger pupils had a number of meetings to talk over the best methods of holding the pupils in the schools until the close of the term, and of keeping them happy and busy in a way that would make them like the summer schools and also make the summer schools profitable to them.

The following table shows the number in attendance at each school and the line of work in each:—

School	Subject	Number Registered	Average Attendance
Rindge Manual Training School	Sloyd	91	44
English High School	Academic	78	44
	Basketry	110	67
	Cooking	58	41
	Sewing	59	32
	Sloyd	68	50
Putnam School	Academic	70	52
	Sewing	93	75
	Sloyd	42	34
Roberts School	Academic	168	109
	Sewing	83	43
	Sloyd	56	34
Shepard School	Academic	79	50
	Sewing	94	69
Webster School	Academic	128	83
	Sewing	91	80
Total		1,368	907

The following table shows the number registered in each subject with the average attendance:—

	Number Registered	Average Attendance
Academic	523	338
Basketry	110	67
Cooking	58	41
Sewing	420	299
Sloyd	257	162
Total	1,368	907

The cost of the vacation schools was $1,570.60 for salaries of teachers and janitors, and $220.58 for supplies, a total of $1,791.18, or of $1.97 per pupil based on the average attendance. This is a decrease of $0.41 per pupil from last year, owing in part to the increase in the average attendance and in part to omitting the drawing, as more teachers were required when the drawing was given in connection with the sloyd.

SUMMER PLAYGROUNDS IN SCHOOL YARDS AND PUBLIC PARKS.

The summer playgrounds in school yards and public parks, with their organized play and regular occupations, have been of the greatest benefit to hundreds of children in Cambridge. Such organized play and such regular occupations as are described in the special report which follows, may properly be considered "a part of the educational system and as highly essential in the development and protection of the children." Up to this time the summer playgrounds have been conducted by private enterprise. The city should now provide more playgrounds properly equipped, and should also provide equipment for the playgrounds already existing. The cities of the Commonwealth are awake to the importance of providing for a more wholesome out-of-door life for the children. Already twenty-three cities have voted favorably.

At a meeting of the school committee held January 21, 1909, the following order was adopted:—

"The school committee requests the board of aldermen to have placed upon the ballot at the coming election, the Playground Referendum, as provided in Chapter 513 of the Acts of 1908." The act, approved May 12, 1908, is as follows:—

Section 1. Every city and town in the Commonwealth having a population of more than ten thousand, accepting the provisions of this act shall, after the first day of July in the year nineteen hundred and ten, provide and maintain at least one public playground conveniently located and of suitable size and equipment, for the recreation and physical education of the minors of such city or town, and at least one other playground for every additional twenty thousand of its population.

SECT. 2. Cities and towns may appoint, and determine the compensation of, a qualified supervisor of each playground, who shall direct the sports and exercises thereon.

SECT. 3. In cities and towns where the provisions of this act are not already satisfied, land for the purpose aforesaid may be taken, and the money necessary to pay for such land may be raised in accordance with sections nineteen, twenty and twenty-one of chapter twenty-eight of the Revised Laws; and any land owned by the city or town may be set aside by vote of the city council, or of the board of selectmen, for the purposes of this act.

SECT. 4. In cities and towns which have a population of more than ten thousand, and which have not already satisfied the provisions of this act, the following question shall be placed on the official ballot at the next city or town election:—Shall chapter five hundred thirteen of the acts of the year nineteen hundred and eight, requiring certain cities and towns to provide public playgrounds, be accepted by this (city or town)?

SECT. 5. This act shall take effect in any city or town to which it applies upon its acceptance by a majority of the voters voting as aforesaid.

Mrs. Helen L. Brooks, the secretary of the committee in charge of the summer playgrounds, has furnished the following at the request of the superintendent:—

During the summer of 1908 twelve playgrounds were carried on in Cambridge by means of private subscription. Seven were in the yards of school buildings,—the Gore, Lassell, Parker, Riverside, Tarbell and Taylor; one was at the site of the old Sargent School building, and five were in public parks,—at Broadway Park, Cambridge Field, two at Rindge Field, and one on the Front, a narrow strip of land bordering on the river. The city placed sandboxes in the playgrounds where the younger children played. These boxes were in constant use and are indispensable.

The playgrounds opened on July 6, with a temperature of ninety in the shade, but there was a large attendance in spite of the heat. Miss Ida L. Brooks again did exceptionally fine work as superintendent of the eight playgrounds for the younger boys and girls, and Mr. F. L. Candee organized the four playgrounds for the boys.

There was a teacher in every playground and two travelling assistants went from yard to yard teaching industrial work.

The superintendents and teachers worked hard and with great intelligence. Many children who were enrolled at the playgrounds last year returned to do any work that was provided for them. The neighborhoods seemed to have considered the playgrounds an established fact.

There were two sessions a day, of two and a half hours each. The plan for the yards where the younger boys and girls were together was to have industrial work first and devote the last half hour to games. It has been found in all these playgrounds that the children can learn and are eager to learn to make something with their hands. As time goes on both teachers and children prefer to make useful things. The children learned to knit, sew, crochet, make dolls' clothes and dolls' furniture, scrap-books, boxes, waste-paper boxes, flower-pot covers from wall paper, and to weave mats on little frames.

The last two occupations were new to them and proved very fascinating, especially to the boys. Dressing dolls and making dolls' furniture appealed most to the little girls. As an innovation this year the girls were taught the Gilbert American school dances. Miss Brooks taught these dances first to the children of the Parker district. They learned them very quickly and were able to teach them to the children in the other playgrounds. Thus these teachers and children visited other yards and saw what was going on outside of their own work.

In the last week there was an exhibition at the Parker School of the articles that had been made and of the dances that had been learned. This was stimulating to the children who wanted to do something really worth while, and was very helpful to the teachers. The idea had been that the same work had been going on in all the yards, and the teachers were surprised to learn that each yard was doing something different. They seemed to gain from the exhibition inspiration and new ideas. One teacher said it was a splendid opportunity to see how capable and ready to work these children were if they had material with which to work. In many cases the finishing of a piece of work proved more interesting than play.

Another new feature this year was the travelling libraries. Books carefully selected from the public library were given out in each yard and exchanged from yard to yard. This was a great in-

centive to keeping clean, as only children with clean hands and faces could have the books. The children were allowed to take them home for a couple of nights. The books were returned in good condition, only one being lost during the season, and they were a source of great pleasure to the children.

The attendance at the school yards is always good, but it is very large in the parks where there is so much more room and shade. Miss Mary Sheehan, in Rindge Field, had an average attendance of one hundred and fifty children and often over two hundred were present. More than half the children stayed until the close of each session and many brought their lunches and stayed all day.

The four playgrounds for boys, three of which were an extension of last year's work, kept five hundred boys between ten and fifteen years of age happily and actively playing morning and afternoon in Cambridge Field, Rindge Field, the Sargent School yard, and the Front. In these playgrounds baseball teams were formed and there were also track athletics. A league was formed, called the Cambridge Playground League; the nines had contests with each other and also with outside teams. Each teacher handled his boys as seemed best to him. One effort was, however, common to all the playgrounds,—to instill into the boys the spirit of fair play. Their standards of honor are now higher than they were a year ago, and their instructors have the feeling that many of them carried away in their hearts a warm feeling that there are many kind people in their own city who do not mean that they shall be cheated out of their birthright of wholesome play.

Twelve hundred children, at a conservative estimate, were taken care of daily in the playgrounds for a term of eight weeks at a cost of one dollar seventeen cents each for the season.

THE PUBLIC LIBRARY AND THE SCHOOLS.

The English High School has a library of about three thousand volumes. The Latin School has only about one-third of this number. Comparatively few books of a miscellaneous character have been added to these libraries for several years, the public library meeting the demand for such books. The need of the schools is for books of reference and for sets of books for class study. The library at the Latin School will in future receive accessions from the income of the Hopkins Classical Fund.

The librarian of the public library writes as follows of the ways in which the librarian and his associates unite with the teachers in efforts to make the public library of increasing service to the children:

The annual visit of the pupils of the ninth grammar grade to the public library came at the usual time in the spring of last year, and lasted about one month. In compliance with the request of the principals of the grammar schools, as expressed at a masters' meeting of last April, the annual visit of the present school year was changed from spring to fall, coming chiefly in October, and bringing the two visits within the time of one year. This change of time for the visits has been made in order that the instruction given to the pupils at the library may be enforced by practice in the schoolroom during the year, and it is all the more worthy of note because it shows the willingness of the principals to extend the work of co-operation between the schools and the library, even at the expense of extra time and attention on the part of the teachers. In return for this interest the librarian hopes to arrange, during the coming winter, to have given in the schoolrooms brief talks by the children's librarian, and later to include other grades of pupils besides the ninth grade. Adequate co-operation between the schools and the public library cannot be realized until all the grammar grades of pupils have received the benefit of some special instruction in the care of books and in the use of a library.

The school delivery shows a steady, if not large, increase in circulation over that of last year, and the demand for books relating to Abraham Lincoln in connection with the celebration of the centenary of his birth, February 12, 1909, rivals that of the Longfellow centenary of two years ago this month.

A special list of books relating to Abraham Lincoln was issued for the teachers of this city with the February Bulletin.

TRUANT OFFICERS.

The city is divided into four districts and to each of these districts a truant-officer is assigned. Among their duties are the following: To visit each school at least once a day, unless otherwise directed by the agent; to prevent children from loitering about the school premises; to notify the teachers of all cases of contagious and infectious diseases reported by the Board of Health; to attend the evening schools when so directed by the agent of the Board; to assist in the preservation

of order, and to visit places of business where children are employed, to see that none are employed unlawfully. They make all complaints at the district court for truancy, absenteeism, or school offences, attend the trials as witnesses, and take boys to the Middlesex County Truant School when they are sentenced.

By the Rules of the School Board the work of the truant officers is done under the supervision of the committee on schoolhouses; and under the direction of this committee it is the duty of the agent of the Board to consider all cases of truancy, of persistent violation of the rules of the school, of juvenile vagrancy, of unlawful detention from school, of neglect by parents; and of any failure on the part of pupils or parents to comply with the Rules of the School Board or the public statutes relating to school attendance. It is also the duty of the agent to direct the officers to make complaints; to certify to the records in these cases when presented before the district court; and to exercise such supervision of the boys who are sent by the court from Cambridge to the truant school as may be allowed under the statutes.

The following is from the report of the committee on schoolhouses:—

The truant officers, Messrs. Cabot, Carmichael, Porter, and Riley, have continued their usual faithful services. They have investigated and reported on twelve thousand three hundred forty-six cases of absence. Twenty-eight complaints for truancy or school offenders were made to the court; fifteen boys were sentenced to the truant school, and the rest were put on probation. At the present time there are fifty-two boys from Cambridge at the truant school in North Chelmsford.

The truant officers have also visited two hundred seventy-five factories or mercantile establishments, and have supervised the taking of the school census.

The census shows that the total number of children in the city between five and fifteen years of age is sixteen thousand five hundred ninety-four, an increase of four hundred eighty-four over last year.

The following is a summary of the school census for the year 1908:—

Number of children in the city between five and fifteen, boys, 8,245; girls, 8,349	16,594
Number in public schools between five and fifteen	12,918
Number in private schools between five and fifteen	3,278
Number not attending school between five and seven	151

Number not attending school between seven and fourteen	57
Number not attending school between fourteen and fifteen	190
Whole number not attending school between five and fifteen	398
Number in the city between five and six	1,771
Number in the city between seven and fourteen, boys, 5,801; girls, 5,884	11,685
Number of children in the city between fifteen and sixteen years of age	1,085

The statistics of the private schools obtained by one of the officers show that there are ten private schools in the city, which receive $47,850 for tuition, and five parochial schools. The following is the number of pupils in these schools:—

Parochial schools	3,656
Private schools	315
Total number not in public schools	4,171

CONTAGIOUS DISEASES.

The following act relative to school physicians and to testing the sight and hearing of pupils in the public schools was passed by the Legislature in 1906:—

SECTION 1. The school committee of every city and town in the Commonwealth shall appoint one or more school physicians, shall assign one to each public school within its city or town, and shall provide them with all proper facilities for the performance of their duties as prescribed in this act; *provided, however,* that in cities wherein the Board of Health is already maintaining or shall hereafter maintain substantially such medical inspection as this act requires, the Board of Health shall appoint and assign the school physician.

SECT. 2. Every school physician shall make a prompt examination and diagnosis of all children referred to him as hereinafter provided, and such further examination of teachers, janitors, and school buildings as in his opinion the protection of the health of the pupils may require.

SECT. 3. The school committee shall cause to be referred to a school physician for examination and diagnosis every child returning to school without a certificate from the Board of Health after absence on account of illness or from unknown cause; and every child in the schools under its jurisdiction who shows signs of being in ill health or of suffering from infectious or contagious disease, unless he is at

once excluded from school by the teacher, except that in the case of schools in remote and isolated situations the school committee may make such other arrangements as may best carry out the purposes of this act.

SECT. 4. The school committee shall cause notice of the disease or defects, if any, from which any child is found to be suffering, to be sent to his parent or guardian. Whenever a child shows symptoms of smallpox, scarlet fever, measles, chickenpox, tuberculosis, diphtheria or influenza, tonsilitis, whooping cough, mumps, scabies, or trachoma, he shall be sent home immediately, or as soon as safe and proper conveyance can be found, and the Board of Health shall at once be notified.

SECT. 5. The school committee of every city and town shall cause every child in the public schools to be separately and carefully tested and examined at least once in every school year to ascertain whether he is suffering from defective sight or hearing or from any other disability or defect tending to prevent his receiving the full benefit of his school work, or requiring a modification of the school work in order to prevent injury to the child or to secure the best educational results. The test of sight and hearing shall be made by teachers. The committee shall cause notice of any defect or disability requiring treatment to be sent to the parent or guardian of the child, and shall require a physical record of each child to be kept in such form as the State Board of Education shall prescribe.

SECT. 6. The State Board of Health shall prescribe the directions for tests of sight and hearing, and the State Board of Education shall, after consultation with the State Board of Health, prescribe and furnish to school committees suitable rules of instruction, test-cards, blanks, record books, and other useful appliances for carrying out the purposes of this act, and shall provide for pupils in the normal schools instruction and practice in the best methods of testing the sight and hearing of children. The State Board of Education may expend during the year nineteen hundred and six a sum not greater than fifteen hundred dollars, and annually thereafter a sum not greater than five hundred dollars for the purpose of supplying the material required by this act.

SECT. 7. The expense which a city or town may incur, by virtue of the authority herein vested in the school committee or Board of Health, as the case may be, shall not exceed the amount appropriated

for that purpose in cities by the City Council and in towns by a town meeting. The appropriation shall precede any expenditure or any indebtedness which may be incurred under this act, and the sum appropriated shall be deemed a sufficient appropriation in the municipality where it is made. Such appropriation need not specify to what section of the act it shall apply, and may be voted as a total appropriation to be applied in carrying out the purposes of the act.

SECT. 8. This act shall take effect on the first day of September, in the year nineteen hundred and six. [*Chapter 502, Acts of 1906.*]

In accordance with Sections 5 and 6 of the above act, the rules of instruction, test-cards and blanks, furnished by the Secretary of the State Board of Education, were sent to the schools in October and the tests of sight and hearing were made in October and November. In order that there might be as much uniformity as possible in the testing, the work in the smaller buildings was assigned to one teacher, and in the larger buildings to not more than two or three teachers.

Pupils in the kindergartens and in the first primary grade were not tested. The examinations revealed some cases of defective sight that were not suspected by the teachers, and also showed the seriousness of other cases and the need of immediate attention to them.

As required by the act, parents were notified if the eyesight of pupils was found defective. Many children have been provided with glasses and immediate improvement in work and in conduct has resulted. The examinations showed that twenty-three per cent. of the pupils appeared to have some defect of vision.

Four per cent. of the children above the first primary grade were found defective in hearing. The parents of these children were notified, and in most cases they have taken the children to physicians for treatment.

The tests made in 1908 showed two per cent. less pupils defective in eyesight than in 1907, and the same per cent. defective in hearing.

Since 1894 the Cambridge Board of Health, in accordance with a request of the School Committee, has appointed a physician, whose duty it is to examine all cases of contagious diseases reported, and to direct the exclusion from the schools of all pupils whose presence will, in his opinion, be a menace to the health of others. He reports his action on every case to the Secretary of the School Committee. This physician issues all certificates, authorizing such children to return to school, as provided by Chapter 502, Section 1, of the Acts of 1906.

As a further precaution against contagious diseases, the Board of Health established, February 26, 1896, a system of medical inspection in the schools. The city was divided into six districts, in each of which a physician was appointed to visit the schools in that district. The duties of these physicians as now defined are as follows:—

1. The physician shall enter each room of the schools which are subject to his inspection during the morning of every school day.

He shall receive from the principal of the school a written statement signed by him which shall state the names and rooms of the pupils which the respective teachers desire to have examined. If there should be no pupils to be examined, he shall receive for each school day a written statement from the principal, stating the fact. He shall examine such children as are indicated to him by the teacher as having complained of, or appear to be suffering from disease. He shall enter such rooms, and inspect such other children or parts of the building as he deems wise, examining at least one school each day; being careful always not to disturb the work of the school more than is necessary, in order to learn the condition of the school and the health of the pupils.

2. The physician is to recommend to the principal to send home immediately any child whom he may suspect of having any infectious disease.

3. The physician must not recommend the employment of any special physician or mode of treatment for the particular case, except in pediculosis and tinea, when he shall recommend the treatment by giving the pupils one of the cards provided.

4. In cases of nearsightedness or other trouble with the eyes, or deafness, or other ear trouble to which attention has been directed by the teacher, the physician is instructed to suggest that the principal recommend to the parents that the eyes or ears of the pupils be examined.

5. The physician shall on the first of each month send to the office of the Board of Health the statements or cards which he has received and to which he shall add such comments as he thinks will be of value to the Board of Health.

The principal of each school is required to read the following at the beginning of each term in all the rooms under his charge:—

"Any teacher or pupil who visits any apartment in which a person has been sick within two weeks, or which has been exposed within that time to contagion of smallpox, varioloid, diphtheria, or scarlet fever, shall not be allowed to attend school until the expiration of two weeks after such visit."

From December 1, 1907, to December 1, 1908, the truant officers received notice through the office of the School Committee and reported to the several schools the following number of contagious diseases:—

Diphtheria	406
Scarlet Fever	446
Measles	1,142
Cerebro-spinal Meningitis	8

THE WORK OF THE SCHOOL NURSE.

The work of the school nurse merits recognition in this report. At the beginning her time was spent for the most part in the schools in the eastern section of the city; but this year her duties have been extended and all the schools in the city have been visited.

Through co-operation with the school nurse many agencies unite in protecting the health of the community.

The nurse has helped parents, teachers, school inspectors, the Anti-Tuberculosis Association, and the Associated Charities in the fight against disease.

In her visits to the schools she has helped the teachers to discover the first indications of disease, and in her calls at the homes she has shown the parents how to follow up effectively the directions of the school inspector; she has also taken many children to hospitals for treatment.

She has given talks on cleanliness in many of the grades; and she has warned pupils against the cigarette habit. She has called the attention of the teachers and school authorities to rooms in which the seating arrangements need improvement and to rooms which need better lighting. She has taken note of the care that the buildings receive and has encouraged better housekeeping.

Included in her work for a single month were fifty-nine home calls in the district to which she was particularly assigned, and seventeen in other sections. She followed up eighteen cases of defective vision which had been neglected after report of them had been sent

to the home. Twelve of the cases were placed under treatment in one week and the others received attention the following week. She gave a special talk on hygiene to the pupils in the eighth and ninth grades in one of the schools.

Writing of the good condition in a building which she had inspected, she attributed it not to her own efforts, but "to the untiring personal interest of the master and his staff of teachers."

In this spirit the work of the school nurse is done. She works under the direction of the Board of Health and she is paid from its appropriation. Her aptitude is shown by such services as are here indicated, services acceptable alike to the Board of Health and to the School Committee.

To quote her own words: "The system is one of prevention, not of cure, and as the weeks progress it is gratifying to note the increasing interest taken by parents and guardians in the physical welfare of their children."

The first school nurse in Cambridge began her work in November, 1907. The usefulness of this service has been so apparent to many people that provision has been made through private subscription for a second nurse beginning in February, 1909.

TERMS, HOLIDAYS AND SCHOOL HOURS.

The school year is divided into three terms,—the autumn, the winter, and the spring term.

The time for beginning the autumn and spring terms, and for closing the winter and spring terms, is fixed annually at the regular meeting of the committee in February. The autumn term ends December 23. The winter term begins on the first school day after that celebrated as New Year's Day.

The holidays are Saturdays; Thanksgiving Day, with the preceding day and the day following; the twenty-second of February; Good Friday; the nineteenth of April; Memorial Day; the seventeenth of June; and in addition to these, for the High Schools, Commencement Day at Harvard University.

The sessions of the High Schools begin at 8.30 A. M.. and end at 1.30 P. M. The sessions of the Rindge Manual Training School begin at 8.30 A. M., and end at 2 P. M. These schools have a recess of half an hour in each session.

With the exception of the Russell School, the morning sessions

of the grammar and primary schools begin at 9 and end at 11.45. The afternoon sessions begin at 1.30 and end at 3.30. The grammar schools have no outdoor recess. In the primary schools the principal may, at her discretion, substitute an outdoor recess for the period devoted to physical training. The sessions at the Russell School begin at 8.30 A. M., and end at 1.30 P. M.

The sessions of the kindergartens are from 9 A. M. to 11.50 A. M.

There are two terms of the evening schools. The first term begins on the second Monday of October, and continues every Monday, Wednesday, and Friday evening, until the end of the week before Christmas. The second term begins on the first Monday, Wednesday, or Friday evening after the opening of the day schools in January, and continues thirty-five evenings. Vacations and holidays are the same as in day schools. The sessions begin at 7.30 P. M., and continue until 9.30 P. M.

TEACHERS.

In December there were four hundred fifty-nine teachers in the Cambridge schools, including five unassigned teachers and one consulting teacher. Thirty-four new teachers have been nominated; three, nominated to temporary positions last year, have been given permanent positions; seven have been promoted to either temporary or permanent positions; thirty-seven have resigned; three have been given leave of absence for rest or for some special reason, and two have died. For the first time since the rule was adopted no teacher is on leave of absence in accordance with Section 69 of the Rules of the School Board, which allows a teacher a year's leave of absence after ten years of service.

Four teachers were put on the unassigned list in June, 1905, and one in June, 1908, in accordance with the following rules:—

"The superintendent shall prepare and submit to the Board annually in June a list of teachers recommended by him for re-election.

"On this list he shall designate teachers who have taught in the Cambridge schools for twenty-five years or more and who have attained the age of sixty-five years, whose election he recommends to serve in an assistant, temporary, or substitute capacity, at a salary of three hundred fifty dollars in grammar and primary schools, and of four hundred fifty dollars in high schools."

Among the teachers who resigned were thirteen from the high schools, an unusually large number to leave these schools. Most of

the teachers who resigned were called to better positions with larger salaries in other places.

In June, Mr. Ray Greene Huling, head master of the English High School, resigned on account of failing health. Mr. Huling came to Cambridge in September, 1893, and served the city as head master for fifteen years. The resolutions adopted at the time of Mr. Huling's resignation appear in the report of the committee on high schools.

Miss Grace L. Deering, a teacher in the school since 1892, and head assistant since 1896, was made acting head master from September, 1908.

Mr. Thomas W. Davis, master of the Harvard School, was given leave of absence from September, 1908, to January, 1909, to become Recording Grand Secretary in the Grand Lodge of the Masonic body, to which office he had been temporarily appointed. He resigned from his position as master of the Harvard School, December 31, 1908, after having been duly elected to the office which he had been filling by appointment, and at the meeting of the Board in that month the following was adopted by a unanimous rising vote:—

"In accepting the resignation of Mr. Thomas W. Davis, late master of the Harvard Grammar School, this Board desires to recognize the efficient services of Mr. Davis through his twenty-seven years' connection with our schools; first with the Putnam and later with the Harvard.

"Mr. Davis has exhibited much ability in his work, winning, by his kind manner, the respect of his pupils and the hearty, earnest support of his associates. He has ever had the confidence of the school officials, who now extend to him their best wishes for his prosperity in his new and honorable position of Recording Grand Secretary in the Grand Lodge of the Masonic Order to which he has recently been elected."

Mr. Davis was appointed master of the Putnam School in 1881, and was transferred to the Harvard School, September 1, 1901.

Miss Gertrude M. Simpson, assistant in the Shaw Kindergarten, died April 20, 1908. Miss Simpson was an enthusiastic kindergartner. She had great love for little children. Her devotion to her work made her service sweet and efficient.

Mr. Harry E. Rich, a teacher in the Rindge Manual Training School, died October 16, 1908. Mr. Rich was one who had endeared himself to teachers and pupils in the Rindge Manual Training School, by his fine personality and by his devotion to the school and its in-

terests. Again in 1908, as he did in the year before, without expectation of financial reward, he spent the month of July with the head master, arranging the work for the fall term. The case of each boy who required special attention was considered and provision was made for him. So, during a considerable part of the vacation season, the head master and Mr. Rich worked together in order that there might be no delay for any pupil at the opening of the fall term; but in the work of the fall term Mr. Rich was not able to take part. He died respected and loved by all with whom he had worked.

QUALIFICATIONS OF TEACHERS.

A person to be eligible to the position of teacher in a kindergarten must have had a course in a high school, a course in a kindergarten normal school, a year's experience in teaching either in a kindergarten or a primary school, and must be able to play the piano; to be eligible to a position in a primary or grammar school, a teacher must have had a course in a high school, a course in a normal school, and a year's experience in teaching; to be eligible to a position in a high school, except in the manual training department of the manual training school, a teacher must be a college graduate. Equivalent preparation may be accepted. Preparation for the work of teaching as shown by years of study, and experience as shown by years of teaching, may be considered in fixing the salaries of teachers at the time of their nomination.

Two months after a teacher has been nominated to a position in a kindergarten or any school below the position of principal or master in a high or grammar school, two experienced teachers who are not connected with the school in which the nominee is to serve, are designated by the superintendent to examine the teachers so nominated, while at work, and they report in writing to the superintendent; these reports, together with the testimonials and other papers relating to the qualifications and character of the teacher so examined and of all other nominees, are kept on file in the office of the superintendent and are open to inspection by members of the Board only.

The committee on teachers considers all nominations made by the superintendent. This committee confers with the superintendent, considers the reports of the examiners designated by him, makes further inquiry at discretion, and reports to the Board.

Any nomination referred to the committee on teachers, unless

confirmed, lapses at the expiration of six months, not counting the summer vacation. A teacher who has failed of confirmation is not to be nominated to a similar position within two years, except on the approval of the committee on teachers.

This committee inquires and reports to the Board in executive session as to the success of any teacher in the employment of the city when so requested by any member of the Board or by the superintendent, and no teacher under such inquiry receives the regular increase of salary except on the recommendation of this committee.

Under the direction of the superintendent, teachers may visit other schools to observe the discipline and instruction. They may be required to attend teachers' meetings or courses of instruction in methods of teaching for one hour a week. Such meetings may be held on Saturday morning during term time or at such other time, not in school hours, as the superintendent may direct. Meetings in addition to those indicated above may be held by the superintendent or may be called by him, on request of directors in special subjects.

SALARIES OF TEACHERS AND SCHOOL OFFICIALS.

Latin School and English High School.

Head Masters	$3,000 00
Masters	2,000 00
Masters' Assistants	1,200 00
Teachers, first year	700 00
with an annual increase of $50 until $950, the maximum, is reached.	
Assistant Teachers, first year	500 00
Assistant Teachers, second year and each succeeding year	600 00

Rindge Manual Training School.

Head Master	$3,000 00
Master's Assistant	1,300 00
Teachers' salaries range from $900 to $1,500.	

Wellington Training School.

Master	$2,800 00
Supervising Teachers (three), first year	900 00
Supervising Teachers, second year and each succeeding year	1,000 00
Master's Assistant, first year	800 00
Master's Assistant, second year and each succeeding year	900 00
Teachers of the eighth grade	700 00
Teachers of the seventh grade	450 00
Teachers in the training class from $200 to $450.	

Grammar and Primary Schools and Kindergartens.

Masters of grammar schools, maximum	$2,300 00
Sub-masters, first year	1,000 00
with an annual increase of $100 until $1,400, the maximum, is reached.	
Masters' Assistants, first year	800 00
Masters' Assistants, second year and each succeeding year	900 00
Teachers of the ninth grade, first year	750 00
Teachers of the ninth grade, second year and each succeeding year	800 00
Special Teachers in grammar schools, first year	700 00
Special Teachers in grammar schools, second year and each succeeding year	750 00
Principals of primary schools, first year	700 00
Principals of primary schools, second year and each succeeding year	750 00
with fire dollars additional for each room under her supervision.	
Teachers of grammar and primary schools and of kindergatens, first year	450 00
with an annual increase of $50 until $700 is reached.	
Assistant Teachers of grammar and primary schools and of kindergartens, first year	450 00
with an annual increase of $50 until $600 is reached.	

Substitutes.

The pay of a substitute teacher in a high school, who is employed temporarily, is $2.50 a day; if employed one month or more, it is at the rate of $500, $600, or $700 a year, the sum to be determined by the superintendent, who shall consider the experience of the teacher and the position to be filled, in fixing the sum.

The pay of a teacher who is employed temporarily as a substitute in a grammar school, a primary school, or a kindergarten, is $1.00 a session; if employed one month, or more, it is at the rate of $450 a year.

Special Teachers and Officers.

Director of Music	$2,000 00
Assistant Teacher in Music	800 00
Director of Drawing	2,000 00
Assistant Teacher in Drawing	800 00
Instructor in Physical Training in the High Schools	950 00
Director of Sewing	700 00
Teachers of Sewing	650 00
Superintendent of Schools	3,500 00
Supervisor of Primary Schools	1,350 00
Agent of the School Committee	2,450 00
Truant Officers (four are employed)	1,000 00
Secretary of the School Committee	400 00
Page of the School Committee	25 00
Secretary and Librarian of the Latin School	650 00
Secretary and Librarian of the English High School	650 00
Secretary and Librarian of the Rindge Manual Training School	650 00

Evening Schools.

Principal of High School	per evening	$4 00
Principal of Elementary Schools	" "	3 00
Teachers in Drawing Schools	" "	3 00
Teachers in High School	" "	2 00
Teachers in Elementary Schools	" "	1 50

PENSIONS FOR TEACHERS.

The Legislature of 1908 passed the following act providing for the pensioning of teachers:—

Chapter 498, Acts of 1908.

Section 1. In any city or town, except the city of Boston, which accepts the provisions of this act, a pension fund shall be established for the retirement of teachers in the public schools. The fund shall be derived from such revenues as may be devoted to the purpose by the City Council of a city or by direct appropriation by a town. The treasurer of the city or town shall be the custodian of the fund, and shall make annual or semi-annual payments therefrom to such persons and of such amounts as shall be certified to him by the School Committee.

Sect. 2. The School Committee of any city or town which shall accept the provisions of this act may retire from active service and place upon the pension roll any teacher of such city or town who is sixty years old or over, or is, in the judgment of said committee, incapacitated for useful service, and who has faithfully served such city or town for twenty-five years. The amount of the annual pension allowed to any person under the provisions of this act shall not exceed one-half of the annual compensation received by such person at the time of such retirement, and in no case shall exceed five hundred dollars.

Sect. 3. Upon the petition of not less than five per cent. of the legal voters of any city or town, this act shall be submitted, in case of a city, to the voters of such city at the next city election, and in case of a town, to the voters of such town at the next annual town meeting, and the vote shall be in answer to the question, to be placed upon the ballot: Shall an act passed by the General Court in the year nineteen hundred and eight, entitled "An act to authorize cities and towns to establish pension funds for teachers in the public schools," be accepted? and if a majority of the voters voting thereon at such election or meeting shall vote in the affirmative, this act shall take effect in such city or town.

Sect. 4. So much of this act as authorizes its submission to the voters of a city or town shall take effect upon its passage, but it shall

not take further effect in any city or town until accepted by the voters thereof as herein provided.

The act provides that the pension fund shall be derived from such revenues as may be devoted to the purpose by the City Council. This would mean for Cambridge a special appropriation for pensions outside the five dollars per thousand allowed by law for the schools.

At the meeting of the School Committee on January 7, 1909, the following order was adopted:

"Ordered, That the School Committee recommends the adoption by the city of the act of the Legislature, Chapter 498 of the Acts of 1908, in regard to the pensioning of teachers in the public schools, consideration of which was referred to this committee December 17."

TUBERCULOSIS.

Chapter 181 of the Acts of 1908 provides that "in each of the subjects of physiology and hygiene, special instruction as to the effects of alcoholic drinks and of stimulants and narcotics on the human system, and as to tuberculosis and its prevention, shall be taught as a regular branch of study to all pupils in all schools which are supported wholly or partly by public money, except schools which are maintained solely for instruction in particular branches."

This new subject in the curriculum is receiving attention. A meeting of all the teachers has been held, at which Dr. Eugene A. Darling, the president of the Cambridge Anti-Tuberculosis Association, made an address in which he outlined ways in which the subject may be studied in the schools. When the society held its exhibit, classes from the grammar schools went with their teachers and made notes of what they saw and of what they were told. From these notes compositions were written and discussions were held at the schools.

A series of grade meetings to consider ways of teaching this subject is now being arranged in co-operation with the education committee of the Cambridge Anti-Tuberculosis Association.

SPECIAL OCCASIONS AT THE HIGH AND GRAMMAR SCHOOLS.

The following pages contain some account of special occasions at the high and grammar schools during the past year. Ways in which the school halls have been made useful to the people of the neighborhood are described; and some lines of educational and social service peculiar to individual schools are set forth. Mention is made of gifts received during the years 1906, 1907 and 1908. These accounts were furnished by the masters and principals at the request of the superintendent of schools.

Latin School. The school hall has been used for meetings of the Cambridge Teachers' Club, at one of which Mr. Booker T. Washington was the speaker, and at another Professor Bliss Perry. The Cambridge Historical Society held one open meeting in the hall, and awarded the prizes in the Longfellow prize competition. The same society has held two meetings in the Science Lecture Hall.

The following gifts have been received during the last three years:—

Class of 1906. Large plaster cast: The Marble Faun.
Class of 1907. Large plaster cast: Discobolus.
Class of 1908. Large plaster cast: The Winged Mercury.

English High School. During the year we have had several interesting meetings in the assembly hall. At one of these meetings Mr. J. Asbury Pitman, principal of the Salem Normal School, talked to the pupils upon the history of normal schools and the qualifications needed by those who were planning to take up the profession of teaching.

Miss Helen A. Wright of the Cantabrigia Club addressed the pupils upon the proper way to organize and carry on a meeting, and gave a practical illustration of her instructions.

Miss Ellen Paine Huling gave a talk before the school upon her experience in the wilds of Labrador. This was listened to with great interest by the pupils and gave them new fields of thought.

Rindge Manual Training School. During a discussion held at a parents' meeting at the Rindge Manual Training School in December, the suggestion was made that a permanent organization of the parents be effected for the purpose of giving the school the benefit of the

efforts and helpful criticisms of the parents. In conformity with this suggestion a committee was appointed by the head master of the school to consider ways and means of organization. This committee held a meeting at the school office, discussed various matters of material interest to parents and teachers, and determined to recommend to the parents that an executive committee be appointed to arrange for meetings of the parents and to carry out any other work which they wished to undertake. The members of the committee were very enthusiastic over the possibilities for good that exist in such an organization. As the committee was of the opinion that the boys would be able to avail themselves of the advantages offered by the school to much better advantage if the parents were better instructed in the aims, methods, and courses of study of the school, they decided to make the first meeting one in which these matters could be thoroughly explained. At this first meeting we are to have two speakers, one to explain the opportunities the school offers, and the other, a graduate of the school, to explain the results of some of the work offered.

Agassiz School. A sale was held February 21, 1908, to which the friends of the school gave generous patronage. The proceeds, $124.90, were used to make the school building more attractive. Four good pictures were bought, also a large bracket bust of Agassiz, and a pedestal bust of Lincoln. In addition to this a number of shrubs were set out for the protection of the lawn.

Previous to the sale there had been in 1907 a commemoration exercise for Longfellow, and the school had purchased a pedestal bust of the poet.

Ellis School. On Monday mornings the master gives talks to the school in the hall on moral, scientific, or civic subjects. The school has received during the last three years a bust of Longfellow, a bust of Agassiz, a bas-relief of the Boy Trumpeter by Della Robbia, an illustrated chart of the life of Lincoln, and a flag from Post 56 of the Grand Army of the Republic.

Fletcher School. No parents' association has ever been formed at the Fletcher School, although it has been the custom to have meetings of the parents ever since the school was opened. These meetings have always been of a social nature, intended to create a friendly feeling between the parents and the school, and have been very gratifying in their results. There is no better proof of this than the support, financial and other, which every occasion at the school receives.

On October 23 and 24, 1908, there was held in the school hall an Art Exhibit and Bazaar. The exhibit comprised two hundred pictures suitable for school decoration, loaned by the Turner Art Company, while the bazaar consisted of a sale of all kinds of useful articles and refreshments. Admission tickets at ten cents each were placed in the hands of the children and the response of the people was surprising. This sale alone amounted to over one hundred fifty dollars. The business men assisted us by advertising, and the friends patronized our booths, so that the sum total obtained enabled us to place forty-two new pictures in various parts of the building. These pictures, together with the frieze of Alexander, presented to the school by the class of 1908, have added greatly to the decoration of the building. There is now in process of painting by Mr. Peter Roos, the director of drawing, a picture to be presented to the school by the class of 1909, and a friend has this year signified her intention of presenting at some time in the future a large oil painting of the Matterhorn.

Each school takes pride in some particular feature of its work. The Fletcher School has always given special attention to the manner of dismissal, and we are very fortunate at present in being able to have the children march from the building to the music of an orchestra of nine pieces.

The Fletcher Improvement League is much enjoyed by the pupils of the school. The following is the form of application for membership:—

FLETCHER IMPROVEMENT LEAGUE.

Organized March 17, 1908.

To the president and members of the.....division of the Fletcher Improvement League, I,.....a pupil in.....grade, room....., having at heart the good interests of my fellow pupils and the school, offer myself a candidate for membership in the above league. If my petition is granted, I promise to comply cheerfully with the by-laws, and so to conduct myself that I shall be a living example of those noble and manly characteristics for which the league stands.

I do.....believe in obedience to rules and upright conduct.
I do.....believe in honesty and truthfulness.
I do.....use cigarettes.
I do.....guard against the use of unclean language.
I have.....before applied for membership.

Signed.....

Cambridge,.....

I, a member of the league in good standing, hereby certify that I am acquainted with.....and believe..... to be of upright conduct and good moral character, and therefore recommend that.....be elected to membership.

Signed.....

Harvard School. Our hall was used the evening of November 19, 1908, by Mr. Herbert M. Allen, who gave an illustrated lecture on Japan and the Japanese for the benefit of the school.

We have received a gift of fifty dollars from Mr. William L. Barrell of Lawrence, as a memorial of his uncle, Mr. James S. Barrell, who was master of the Harvard School for twenty years.

Since the current school year began we have expended one hundred dollars for the adornment of the different rooms in the building.

As a special feature of this school year may be mentioned the extended use of the stereopticon in school work. Miss Louise C. Patterson, one of our teachers, a former president of the Geography Club of Boston and vicinity, has given a series of talks or lectures on geographical subjects as follows:—

HOW THE LAND WEARS OUT.

Frost action.
Decay of rocks.
Stream action.
Deep, young, narrow valleys or canyons.
Wider, older, more useful valleys.

HOW MOUNTAINS ARE MADE.

What layers of rocks mean and where they are made.
Their new place high in the air in a bent, squeezed, and crumpled condition.
Forms still left as these folded masses wear out.
The cracking and slipping of the rocks while being raised high, *viz.*, earthquakes.
Block mountains made by such slipping.

VOLCANOES.

Resulting from deep earth cracks.
Vesuvius and Kilauea as contrasting types.
Lava fields in the Hawaiian Islands and in the United States.
Quality of soil resulting from lava.
Old volcanoes in the United States, etc.

YELLOWSTONE NATIONAL PARK.

An old, wide valley among the Rocky Mountains, lava filled for two thousand feet.
One thousand hot springs and one hundred geysers being a final stage in a region of former great activity in mountain building and vulcanism.
Yellowstone canyon cut twelve hundred feet deep in this lava.

In addition to these talks, teachers who have been abroad have given us the benefit and pleasure of their trips by entertaining us, as

by the aid of the stereopticon they have described the scenes they have witnessed.

Hcughton School. The day before Thanksgiving we held a fair, or gave an exhibition, consisting of the products of the farm and garden. These products were contributed by the children for distribution among the poor of our district. The quantity was very considerable, loading twelve of our school tables.

The educational value was very great in acquainting the children with some products they had never before seen. It was gratifying to note the attention given by the children as some wrote from memory the names of more than fifty different products.

We use our assembly hall on many occasions during the year for talks on the wonders of nature, for birthday celebrations, etc.

Within a year we have come into possession of two oil paintings by Mr. Peter Roos, the director of drawing, Niagara and Concord Bridge. Mrs. Franklin Everett gave two noteworthy steel engravings, The Landing of the Pilgrims, and The Village Blacksmith. The plates were made by Henry Graves of London, the former in honor of the people of the United States, and dedicated to a member of Parliament. The same friend had previously given four other beautiful and well framed steel engravings.

Our kindergarten mothers' club has held ten meetings during the year at which the following subjects have been discussed: Care of the teeth; health in general; how to apply bandages; experience of traveling; discipline; and work with the children in the kindergarten room.

Kelley School. During the greater part of the past year the upper grades assembled in the hall every Monday morning for general exercises. At some of these meetings short talks were given by persons not connected with the schools. It is with deep regret that we have given up those exercises this year. Although the hall has been used for class purposes, a few meetings have been held in the evening. One was a free entertainment for the parents by the Harvard Entertainment Troupe, at the close of which an opportunity was given for the teachers to meet the parents.

The most important of the evening entertainments was given for the purpose of raising money for the purchase of pictures for the classrooms. An exercise arranged by the teachers called, The Whole Year Through, netted us something over one hundred dollars. All the grades participated, and each month of the year was represented

by appropriate songs, drills, recitations or exercises. Many of the characters were in costume. The entire exercise is soon to be printed in one of the educational journals.

The hall has also been used for lantern slide exhibits in connection with classroom work. Some teachers have invited the parents to attend school for an afternoon to witness the regular work of the school. Such meetings proved very helpful.

Mothers' meetings are held regularly in connection with the Shaw Kindergarten, which meets in this building, but as a school we have no parents' association. We hope, however, to have one when we have the use of the hall again.

During the year we organized an Anti-Cigarette League which started out well. We have not continued the organization this year because we have had no meeting place, as our hall is used by classes from the Wellington School. We plan to get the league into active work soon and in the meantime we are doing what we can in the classrooms.

Each graduating class presents a picture to the school for the assembly hall.

Morse School. The most valuable gift to the school in recent years is a fine life-size portrait of Honorable Asa P. Morse, painted by Darius Cobb. It was presented to the school by Miss Velma M. Morse, and it occupies the place of honor in the assembly hall. The school is most fortunate in being assured of the personal interest of Mr. Morse's family, to whom it is indebted for handsome chairs for the teachers' library, educational papers, and generous sums of money to be expended for books for the school library.

The following class gifts have been received during the past three years:—

Class of 1906. Large relief: The Harvesters.
Class of 1907. The Grand Canal, Venice.
Class of 1908. The Capitol at Washington.

Two lectures have been given in the assembly hall by Mr. Charles D. Kellogg, whose description of birds and reproductions of their songs were most interesting. One lecture was given for the pupils and one for the friends of the school, and both were highly successful. There was also a pleasant reunion of the class of 1907 in the assembly hall.

Peabody School. The classes of 1906 and 1907 each gave casts of two sections of the Western Frieze of the Parthenon, and the class of 1908 gave Thorwaldsen's Morning and Night. The gifts of these three classes completed the adornment of the assembly hall. The class of 1908 also gave a large Pompeian vase, of bronze finish, for one of the corridors.

In connection with the kindergarten there is a mothers' club which holds seven meetings a year. The object of these meetings is to bring the mothers and teachers into closer relationship, and to further the interests of the kindergarten by talks and discussions upon different phases of the work. In the year 1906 the club presented the kindergarten with two casts, Boys Playing on Trumpets, and Boys Playing on Drums.

In the year 1906 a life-size crayon portrait of the master of the school, handsomely framed, was presented by two sisters, graduates of the school. At their request their names were not announced.

In November last the children, as usual, took great pleasure in bringing to school a large quantity of Thanksgiving supplies which was distributed to many needy families in the district.

Putnam School. The following associations are connected with the Putnam School:—

The Putnam School Parents' Association.
The Putnam School Anti-Cigarette League.
The Putnam School City.

The Putnam School Parents' Association holds four meetings a year. These are not large gatherings, but topics of mutual interest are considered, and real benefit results. When the association was started there was a large representation of the teachers on the executive committee; now there are but two. The great difficulty is to get the fathers to manifest an interest in the association.

The Putnam School Anti-Cigarette League is very much alive and is doing an excellent work. Meetings are held each week with a good attendance. Graduates keep up their interest in the meetings and some of them are always present. The league gave a unique and interesting entertainment in October. This was noteworthy as all the details were planned and executed by the officers of the league. The officers and members are earnest in their efforts to keep members from backsliding and to bring in new recruits. Suspensions are used for first offence, followed by expulsions if there are repetitions.

The Putnam School City carries on in a grand way its work of assisting in the government of the school. The citizens are members of the eighth and ninth grades. The officers, as a whole, are business-like and efficient, and display a sense of responsibility and self-control. This spirit is reflected in turn by the surprising willingness on the part of all the pupils to submit to authority, and to conform with expressed wishes of master and teachers. The value of this organization is thus twofold.

The following gifts have been received during the past three years:—

In our hall is a large oil painting of General Israel Putnam, by Darius Cobb, which bears the following inscription:

"Presented to the Putnam School
by Edward B. Malley, Esquire,
a member of the
School Committee of Cambridge,
1881-1886—1891-1902.
December 21, 1905."

The graduating classes have contributed gifts each year. Mrs. Augustus Nellson, the wife of our former janitor, secured sufficient funds from the friends of the school to purchase a beautiful silk State flag. This is a companion flag to the one presented by Mrs. Nellson several years ago.

The P. Stearns Davis Woman's Relief Corps, No. 66, presented each classroom with a silk flag of suitable size, and so the flag is before all the pupils during school hours.

Roberts School. Our school hall was used occasionally by day, when we gathered for morning exercises. At such times a short address was given by some invited guest. Mr. Theodore H. Raymond spoke in a delightful way on one of these occasions. Afternoon gatherings of parents were held at different times on invitation of teachers and children of some grade. We have had such meetings in the sixth, seventh, eighth and ninth grades. A short program of music, reading and recitations or stereopticon views was given, followed by light refreshments and pleasant conversation. These meetings proved to be decidedly helpful.

In November, Mr. Charles D. Kellogg, the lecturer on birds and bird songs, was with us once in the afternoon and once in the

evening. In March, Reverend George W. Bicknell, D.D., gave an evening address, Down in Dixie, and later the pupils of the eighth grade gave an evening entertainment, Paul Revere being the subject. The pupils of this grade by their own exertions have purchased within two years a library of ninety books and a handsome bookcase to hold them, besides some pictures for the walls.

During the past three years the graduating classes have made the following gifts to the school:—

Class of 1906. Picture of Hope, by Burne-Jones.
Class of 1907. A plaster cast for the assembly hall and a picture for a classroom.
Class of 1908. Twenty dollars for the relief of the Chelsea sufferers.

We are indebted to the William H. Smart Woman's Relief Corps, No. 27, for a set of handsome flags, one for each room in the building, and to the Sons of Veterans for a picture, From Log Cabin to White House.

Mrs. Austin C. Wellington gave us a framed calendar of the Civil War. Miss Emma A. Scudder presented a cabinet of sea shells, properly arranged and labelled. Miss Olive Fisher presented a cabinet of insects. Many pictures, large and small, have been purchased for the school out of our own funds within three years.

Russell School. Memorial Day of last year was very interesting. With the entire school in the hall, Colonel John E. Gilman, Superintendent William C. Bates, and Mrs. A. J. Littlefield of Tent 30, Daughters of Veterans, made stirring addresses. The boys and girls recited selections and the whole school contributed patriotic music. The occasion was made memorable to the pupils by the kindness of Tent 30, Daughters of Veterans, who, through Miss Helen C. Littlefield, presented twelve beautiful silk flags to the school, one for each class.

The school has received the following notable gifts during the past three years:

In 1906 a frieze, The Triumph of Alexander, was placed in the ninth grade room by the class of that year. In 1907, busts of Dickens, Emerson, Lowell, Paul Revere, Sumner and Whittier were given by the graduating class. Also a picture, The Minute Man at Concord, was given by Professor and Mrs. George P. Baker.

The class of 1908 presented an oil painting, A View to the North of the Russell School in October, 1907, the work of Mr. Peter Roos, the director of drawing. Framed by contributions from the entire school, the picture preserved a scene of rare beauty, the original of which, through the rapid building of houses, will soon be lost forever. It hangs in our hall, a proof of the artistic ability of a beloved teacher, and an object of interest to all observers.

The school is entering on the twelfth year of its existence. Nearly five hundred pupils will have graduated by the end of this school year. The names and addresses of all of these have been brought together with a view to a permanent record. In the near future an alumni association will be formed.

Shepard School. In February of last year we had exercises in commemoration of Washington, participated in by classes and individuals, with patriotic music. We also had exercises on the day preceding Memorial Day, and we were addressed by Mr. Leonard D. Garfield, detailed by Post 56 of the Grand Army of the Republic.

On the seventh and eighth of October we had an exhibition of pictures, the proceeds from which we used for beautifying the classrooms. Connected with this was a sale of home-made candy, generously contributed by parents and friends, from which we realized a goodly sum. Friends subscribed ten dollars and we were thus able to spend $166.88 for pictures. This allowed two good-sized pictures in each room and one for the office. The affair proved an educational advantage to the children, as arrangements were made so that each child saw every picture, learned to use the catalogues, and gained an intelligent knowledge of many of the representations. A program of music was carried out by the children who could play the piano, and a large company was entertained each day.

The only gift we have received was a framed picture, From Log Cabin to White House, presented by the Sons of Veterans.

Sleeper School. On May 5, 1908, a delegation from the Charles Beck Woman's Relief Corps, No. 2, presented us with two silk flags with standards, one to be placed in the room of the sixth grade, and one in the room of the fifth grade.

On May 29 of the same year, as many pupils as could be accommodated were assembled in one room, and after appropriate exercises an address was given by Mr. Moses Abbott Wood of Westminster.

In May, 1907, the Woman's Relief Corps gave to the school a large bunting flag, which is displayed at all times within the building.

Taylor School. Our school is interesting on account of the rapid growth in knowledge of our language, and adaptation to our American ways, by the many foreigners we have had.

Our exercises in the hall on Memorial Day mean very much to the children in this part of the city. They are made interesting each year by the gift from Mr. William R. Adams, of the Grand Army of the Republic, of a flag to every child in the primary and lower grammar grades. When these flags, nearly four hundred in number, are flung out to the singing of the patriotic songs, it is an inspiring sight; and when the children are dismissed that day, the whole ward is bright with flags.

The unselfishness and sympathy of the people here are shown at our Thanksgiving exercises in the hall. The children, who wish to, bring fruit, vegetables or groceries. The front of the stage is always loaded through their generosity. The gifts are sent to the East End Christian Union.

In December of 1907, Mr. Charles D. Kellogg gave a lecture on birds. We shared this pleasure with the primary children of the Lassell and Otis schools as these schools have no halls.

Last spring an agent from the Anti-Cigarette League gave a talk in each of the grammar rooms. A branch league to the Putnam School was formed and many joined.

Every year our grammar teachers take groups of children to the Natural History Rooms and to Agassiz Museum. In the spring the primary teachers take their classes, one at a time, to some nearby park for half of an afternoon.

Our kindergarten mothers' meetings have been a blessing to the neighborhood. The principal arranged to make them of great help and use to the mothers. The meeting in November was upon Folk Songs and Dances, and was conducted by Miss Murray of Boston. Last March a concert was given in the evening in the hall under the auspices of the Taylor Kindergarten Mothers' Association. The Cantabrigia Club and a mandolin club assisted.

Our lawns and yards are watched over by our older boys, who thus help to keep the lawns green.

Thorndike School. The Thorndike Home and School Association was formed in February, 1908. The association numbers two hundred parents, representing three-fourths of the families of the district who have children attending the Thorndike School.

The first meeting was held at the school, but as there is no room suitable for the purpose, subsequent meetings took place in a public hall. Four meetings have been held during the year.

The object of the association is to bring the home and the school into closer relations; to create in this section of the city a more lively school interest; to work for the improvement of the school district; and to give the parents an opportunity to hear good speakers on subjects of educational interest.

The speakers during the year have been Honorable Walter C. Wardwell, Superintendent William C. Bates, Honorable Charles H. Thurston, Ex-Superintendent Francis Cogswell, Dr. William H. Clancy, Miss J. M. C. Hume, Mrs. Selma Berthold, Mrs. Elizabeth White and Edward A. Counihan, Jr., Esquire.

The neighborhood committee, the purpose of which is to visit homes where there is sickness or need, has furnished food, clothing and shoes, making it possible for children to attend school.

The first public entertainment, a stereopticon lecture, A Tour of the White Mountains, was given on November 13. The net proceeds of the lecture amounted to $114 and the sum has been used in purchasing pictures for the school.

The attendance during the first ten weeks of the school year was four per cent. higher than the average attendance of several preceding years for the same time. This is due in part to the increased interest in the school by the parents.

Webster School. As the insurance on our pictures and other treasures was to expire in November, graduates were called upon to furnish an entertainment in order to provide funds for renewing the insurance. The reply was most loyal and hearty, alumni responding from a length of time covering half a century. Our friends were so generous that we had to stop the sale of tickets, and our net proceeds were just twice the amount needed.

We sent our customary generous Christmas collection of food to the East End Christian Union, and also had our usual Christmas program in the hall on our closing session.

Wellington School. Since our new assembly hall was opened last November it has been the scene of many educational and social gatherings. The large audience present at the opening night included Mayor Wardwell and members of the city government. After an address of welcome by Mr. Herbert H. Bates, the master of the school, speeches were made by His Honor the Mayor, members of the school committee, and other prominent men of the city. During the evening the eighth and ninth grades sang, and Miss Mary I. Vinton, one of the supervisors of the schools, gave an illustrated talk upon the city of Washington. The Wellington Mothers' Club has had four meetings in the hall during the year, as follows:—

1. Fathers' night, an annual event. The speakers were His Honor Mayor Wardwell, Mr. William C. Bates and Mr. Herbert H. Bates. The entertainment consisted of a concert and readings by the Cowlishaw Concert Company.

2. My Trip to Japan. This was a talk by Miss Helen W. Munroe, a teacher in the Latin School. Miss Munroe brought with her from Japan many interesting pictures, costumes and curios, which were on exhibition that afternoon. Music was furnished by the Cantabrigia Glee Club.

3. A stereopticon lecture. My Trip to Quebec, by Miss Vinton.

4. An educational meeting held by the people of the district to suggest means for keeping the kindergartens. The speakers were Edmund A. Whitman, Esquire, Lawrence G. Brooks, Esquire, Mr. Herbert H. Bates, Mr. H. Warren Foss, Ex-Representative James T. Barrett and Mr. Edward A. Counihan, Jr., Esquire.

Mr. Charles D. Kellogg entertained the children of the district one afternoon with his wonderful bird songs, anecdotes of animal life, and beautiful stereopticon views. A similar entertainment was given in the evening for the parents.

One afternoon Professor George H. Barton gave an illustrated lecture on Hawaii, to the Eighth Grade Club. Parents and guests of the members were present.

The Wellington Anti-Cigarette League, consisting of about four hundred boys, held two mass meetings in the hall during the year. The speakers were Reverend Perry Bush of Chelsea, Mr. Starbuck, Mr. William C. Bates, Mr. Herbert H. Bates, Mr. Francis Cogswell and Mr. H. Warren Foss.

Once each month on Friday a pleasant afternoon was spent in the hall by the pupils of the eighth and ninth grades, it being their custom to invite parents, friends and graduates to listen to music, recitations and some exercise of an educational character prepared during the preceding month.

Every Monday morning the pupils of the eighth and ninth grades assembled in the hall for opening exercises. After devotional exercises and music, a short lecture was given by one of the teachers.

One evening in April the Ninth Grade Club recited the poem of Evangeline to parents, friends, neighbors and graduates. The recitations were interspersed with appropriate music and were illustrated by stereopticon views.

Between six and seven hundred parents and children of the neighborhood assembled in October to listen to an illustrated talk upon a trip to Montreal and Quebec by way of Lake George, Lake Champlain and Ausable Chasm, given by Miss Vinton.

In February the Cambridge Teachers' Club met in the assembly hall to listen to a talk upon Montreal and Quebec by Miss Vinton. Music was furnished by the Latin School Orchestra and the Rindge Manual Training School Glee Club.

Thanksgiving, Christmas and Memorial Days were observed by suitable exercises to which parents and friends were invited.

The last meeting of the year, and one that taxed the seating capacity of our hall to the utmost, was upon the occasion of the graduation of the class of 1908. The large audience listened appreciatively to the exercises, which were upon the life of Abraham Lincoln.

The Eighth Grade Club raised a sum of money which they used in buying books for their library and a picture for the hall. This club also gave a part of the money with which the large picture, The Return of the Mayflower, was bought. They gave a bust of Washington, which is in the eighth grade room, and a bust of Agassiz, which is in the hall.

THE SPIRIT OF THE SCHOOLS.

Effort is made to dissuade pupils from planning to go to work as soon as the age at which they can be legally employed is reached. The fact that each year demands better preparation for the duties of

life is emphasized in talks with parents and pupils. The co-operation of home and school is giving the schools better understanding of the home conditions from which the children come to the schools, and is giving to the homes more sympathy with the plans and ways of management of the schools. The parents' associations establish personal and friendly relations between parents and teachers and bring about a condition which makes the presumption in favor of the teachers when difficulties and troubles arise at school.

Summer playgrounds in school yards and in public parks, the vacation schools, and the evening schools help to keep young people away from the baleful influences of life on the streets.

The school physician, the school nurse, and the teachers are all giving much attention to the physical condition of the children. If a child is in a vigorous physical condition he will respond cheerfully and enthusiastically to the appeals to his interest that are made by a good school.

If a child fails to give himself zealously to his work in school the supposition is that some physical impediment is making his will weak and his powers of application poor.

What seems like stubbornness on the part of the child is not often followed by immediate severity, nor is failure accepted as the thing to be expected from any child, but the causes for these unfortunate conditions are sought, found, and, if possible, removed.

As the good work of the pupils is commended, and as that which is right is enjoyed by teachers and pupils together, a growing disposition to get in line with that which is excellent becomes the dominant spirit.

The schools which do not attempt to have all pupils do a given thing in the same way, and which encourage originality and initiative in the children, are the happiest, because in them is encouraged the spirit that desires to know and do. Teachers in such schools are constantly discovering special talent in individual pupils and are enjoying the privilege of helping in its development. Teachers sometimes find pupils in their classes who can quite as well do the work of a higher grade, and then in unselfishness these teachers part with their best pupils; they send them into the higher grades, where they ought to be.

Teachers sometimes find in their classes children who are becoming disheartened, and who are in danger that they may acquire the habit of failure, because they are in a grade that makes demands

that are too severe. Such cases call for the most careful treatment. After conference between teacher and parents the good and the happiness of the child are in some instances secured by adjusting him to the work of a lower grade where he can have joy in his work, because he is able to do it.

A graded system that is rigid, stiff, formal and unyielding, that holds pupils of exceptional ability back, and at the same time drags along pupils who should go more slowly, is giving the public poor service. But the school which is conducted "by methods in harmony with natural capabilities; by exciting initiative and individuality; by more promptly rating excellence and achevements and rather by amending than by harshly exposing and punishing faults and demerits," is giving the public good service and is cultivating in the pupils the habit of hearty and successful application to the work of life.

In the schools of Cambridge we have accepted the word "Hearten" as indicating our duty and our privilege. The teachers are giving themselves unsparingly to the work of heartening, and in this work they are having much satisfaction.

SCHOOL COMMITTEES.

On the first Monday of April, 1909, the new school committee of five members will take charge of the schools of Cambridge. Some account of the school committees of the city is, therefore, of interest at this time. The following is from the school report for 1895:—

"The first meeting of the school committee under the city charter was held May 6, 1846. There were present His Honor Mayor James D. Green, Messrs. William A. Stearns, John A. Albro, Daniel Austin, William W. Wellington, John S. Ladd and William Leverett. Joseph W. Parker, although absent, was elected secretary for the year ensuing, having held that position in 1845. John S. Ladd was chosen secretary pro tem. At a subsequent meeting Dr. Parker was 'excused from serving as secretary,' and Dr. W. W. Wellington was elected; and this was the beginning of Dr. Wellington's long and invaluable service of more than forty years as a member of the committee and as secretary of the Board."

From 1846 to 1858 the school board was composed of seven members; the number was then increased to ten, and in 1868 to fifteen. The first Board of fifteen was made up as follows:—

Charles H. Saunders, Chairman *ex officio*.

	FROM WARD ONE	
Francis J. Child	William W. Goodwin	Morrill Wyman
	FROM WARD TWO	
Edward Abbott	Hamlin R. Harding	Thomas Scully
	FROM WARD THREE	
John W. Hammond	Grove H. Loomis	Joseph H. Tyler
	FROM WARD FOUR	
John Appleton	Edwin B. Chase	Asa P. Morse
	FROM WARD FIVE	
Martin Draper, Jr.	Herbert H. Stimpson	James R. Morse

Professor Goodwin and Mr. Appleton resigned in April, and in joint convention with the board of aldermen in May, Professor Francis Bowen and Mr. Henry O. Houghton were elected to fill the positions thus made vacant. Professor Bowen had already served on the Board for six years and Mr. Houghton for five years.

This committee was composed of three clergymen, two professors, two lawyers, two doctors and six business men. Mr. Hamlin R. Harding afterwards served the city as mayor, as also did Mr. Henry O. Houghton.

Women were first elected to the Board in 1880, and from that year to the present time there has been at least one woman on the Board. Miss Sarah S. Jacobs and Mrs. Phebe M. Kendall were elected in 1880 and they served respectively seven and fourteen years. Eleven other women have been elected to positions on the Board:—

Mrs. Elizabeth Q. Bolles	Mrs. Ellen A. Goodwin
Mrs. Carolyn P. Chase	Miss Ada R. Kinsman
Mrs. Ellen M. Coburn	Mrs. Jenny H. S. Lansing
Mrs. Caroline L. Edgerley	Miss Alice M. Longfellow
Mrs. Carrie S. Fairbairn	Mrs. Mary E. Mitchell

Miss Anne Clark Stewart

Mrs. Carolyn P. Chase has been a member of the Board since January, 1892. When her term ends in April next she will have given over seventeen years of continuous service to the schools of Cambridge. No other woman has been on the Board so long. She has been appointed a member of the standing committee on kinder-

gartens each year and has served as chairman of this committee for the years 1904, 1906, 1907, 1908.

Since she has been a member of the Board, the number of kindergartens has increased from six to sixteen, and the number of pupils in the kindergartens has grown from three hundred fourteen to eight hnudred sixty-seven.

The office of president of the Board, or presiding officer, as it was then called, was created in 1891. Mr. Albert M. Barnes was elected the first presiding officer. Mr. Barnes retired from the Board at the end of the year 1891, and Mr. William Taggard Piper, who was elected from Ward One in joint convention on March 10, 1891, succeeded Mr. Barnes as presiding officer and has continued in the position until the present time.

When he retires from office, Mr. Piper will have served over eighteen years, and will have been president of the Board for more than seventeen years. He has been a frequent visitor to the schoolrooms and has kept acquainted with the work of the teachers. His judgment has been sought by parents, teachers and officials, and his counsel has made the way plain for many who were dealing with problems of school administration. By his service, so exceptional in length and so great in value, he has earned a high place upon the roll of those who in the city of Cambridge have devoted themselves to the public welfare.

During these forty years that the schools have been managed by a committee of fifteen, women, clergymen, lawyers, doctors, university professors and business men have given freely of their time to the schools of the city.

The present secretary, Mr. Sanford B. Hubbard, was elected to his position as secretary of the Board September 20, 1888, when Dr. Wellington resigned after forty years of service,—eighteen as a member of the school committee and twenty-two as secretary. Mr. Hubbard has served the Board well and faithfully as secretary for over twenty years, and his time of service is almost as long as was that of Dr. Wellington.

On April 1, 1868, the first committee of fifteen elected Mr. Edwin B. Hale as the first superintendent of schools in Cambridge, and only three men have held the position during these forty years. Mr. Hale served as superintendent from 1868 to September, 1873. He was succeeded by Mr. Francis Cogswell, who was superintendent thirty-

one years. Mr. Cogswell served as master of the Putnam School twenty years before he was made superintendent of schools.

The completion of fifty years' connection with the schools in 1904 was celebrated by a public reception to Mr. Cogswell at which he was presented with a hall clock bearing the following inscription:—

"To Francis Cogswell
Superintendent of Schools
From the Cambridge Teachers
And Other Friends and Neighbors
Through a Committee of His Fellow Citizens
27 June, 1904."

His portrait was given to the city, and a large carbon photograph, purchased at Mr. Cogswell's suggestion, was given to each school. The present superintendent, Mr. William C. Bates, has served since September, 1905.

The Cambridge school committee for 1868, the first committee of fifteen, had charge of thirty-one schools, with one hundred thirty-four teachers and six thousand one hundred sixty-seven pupils. The school committee for 1908 had charge of fifty-two schools, with four hundred fifty-nine teachers and sixteen thousand nineteen pupils. In 1868 there was one high school, with eight teachers and two hundred eighty-five pupils. In 1908 there were three high schools, with seventy-four teachers and one thousand six hundred sixty-one pupils. In all these statements concerning teachers and pupils the numbers in December are used.

Every member of the committee as at present constituted has been in office continuously from the date when first elected. The list of members with the date of the beginning of service is as follows:—

Warren P. Adams	1903
George W. Bicknell	1897
Lawrence G. Brooks	1906
Carolyn P. Chase	1892
Edwin L. Cheney	1905
Edward A. Counihan, Jr.	1907
Ada R. Kinsman	1906
Sherman R. Lancaster	1901
James A. Lew	1904
William Taggard Piper	1891
J. Henry Russell	1901
Frank E. Sands	1905
Joseph E. Sharkey	1904
John E. Somers	1905
Robert Walker	1901

All have devoted their time unsparingly to the many demands made upon them by this department of the public service. At the schools especially assigned to individual members they have been guides to the teachers, counsellors to the parents, and welcome visitors to the children in the classrooms.

Respectfully submitted,

WILLIAM C. BATES,

Superintendent of Public Schools.

In School Committee, February 18, 1909.

Ordered, That the report of the superintendent as read and outlined by him be accepted and adopted as the annual report of the school committee for 1908, and that the secretary be authorized to append the names of the members of the committee thereto.

SANFORD B. HUBBARD,

Secretary.

MEMBERS OF THE SCHOOL COMMITTEE FOR 1908.

WILLIAM TAGGARD PIPER, President of the Board.

WARREN P. ADAMS
GEORGE W. BICKNELL
LAWRENCE G. BROOKS
CAROLYN P. CHASE
EDWIN L. CHENEY
EDWARD A. COUNIHAN, Jr.
ADA R. KINSMAN
SHERMAN R. LANCASTER
JAMES A. LEW
J. HENRY RUSSELL
FRANK E. SANDS
JOSEPH E. SHARKEY
JOHN E. SOMERS
ROBERT WALKER

MEMBERS OF THE SCHOOL COMMITTEE AND THE YEARS DURING WHICH THEY SERVED, 1840-1909 (INCLUSIVE).

Abbott, Edward,—1868, 1869.
Adams, Warren P.,—1903, 1904, 1905, 1906, 1907, 1908, 1909.
Agassiz, Alexander,—1871.
Albee, Sumner,—1878, 1879, 1880.
Albro, John A.,—1845, 1846, 1847, 1848, 1849, 1855, 1856.
Alger, Alpheus B.,—1891,* 1892.*
Allen, Charles H.,—1852.
Allen, Frank A.,—1877.*
Allison, George A.,—1888, 1889, 1890, 1891.
Ammidon, Philip R.,—1870, 1871, 1872, 1873, 1874, 1875, 1876.
Anable, Courtland W.,—1865, 1866.
Appelton, John,—1867, 1868.
Apsey, William S., 1871, 1873, 1874, 1875, 1876.
Atkinson, William P.,—1867.
Austin, Daniel,—1846.
Averill, Alexander M.,—1859.
Badger, Henry C.,—1866.
Ball, Joseph A.,—1889, 1890, 1891.
Bancroft, William A.,—1893,* 1894,* 1895,* 1896.*
Barnes, Albert M.,—1882, 1883, 1884, 1885, 1886, 1887, 1888, 1889, 1890, 1891.†
Bicknell, George W.,—1897, 1898, 1899, 1900, 1901, 1902, 1903, 1904, 1905, 1906, 1907, 1908, 1909.
Bolles, Elizabeth Q.,—1895, 1896, 1897, 1898, 1899.
Bowen, Francis,—1850, 1851, 1853, 1854, 1856, 1857, 1868, 1869.
Bradford, Isaac,—1873,* 1874,* 1875,* 1876.*
Bradlee, Caleb D.,—1858, 1860.
Briggs, George W.,—1870.
Brine, George R.,—1876, 1877, 1878, 1879.
Brooks, Elbridge G.,—1841, 1842, 1843, 1844.
Brooks, Lawrence G.,—1906, 1907, 1908, 1909.
Brown, Otis S.,—1879, 1880, 1881.
Buckingham, Joseph T.,—1841, 1842, 1843, 1844.
Carruthers, William,—1863, 1864.
Chamberlain, Frank C.,—1896, 1897, 1898.
Chamberlain, Henry M.,—1858.
Champlin, Edgar R., 1899,* 1900.*
Chaplin, Winfield S.,—1890, 1891.
Chase, Carolyn P.,—1892, 1893, 1894, 1895, 1896, 1897, 1898, 1899, 1900, 1901, 1902, 1903, 1904, 1905, 1906, 1907, 1908, 1909.
Chase, Edwin B.,—1866, 1867, 1868, 1869.
Cheney, Edwin L.,—1905, 1906, 1907, 1908, 1909.
Child, Francis J.,—1863, 1864, 1865, 1868.
Church, Moses D.,—1884, 1885, 1886, 1887, 1888.
Clancy, William H.,—1892, 1893, 1894, 1895, 1896, 1897.
Clarke, Moses,—1848, 1849, 1850, 1851, 1852, 1853, 1854, 1856, 1857, 1858, 1859, 1862.
Coburn, Ellen M.,—1896, 1897, 1898.
Coburn, George A.,—1873, 1874, 1878, 1879, 1880.
Cogswell, Edward R.,—1869, 1870, 1871, 1872, 1873, 1874, 1875, 1876, 1877, 1878, 1879.
Conlan, Felix.—1887, 1888, 1889.
Conlan, John,—1882, 1883, 1884.
Cooke, Edward,—1862, 1863.
Coolidge, Austin J.,—1865, 1872.
Corcoran, Michael,—1884.
Counihan, Edward A., Jr.,—1907, 1908, 1909.
Cox, James,—1870, 1871.
Cushing, George A.,—1845.
Daly, Augustine J.,—1904,* 1905.*
Dickinson, David T.,—1901.*
Dow, James A.,—1874, 1875, 1876.
Doyle, William E.,—1884.
Draper, Martin, Jr.,—1867, 1868.
Edgerly, Caroline L.,—1889, 1890, 1891, 1894, 1895, 1896, 1897, 1898, 1899, 1900, 1901, 1902.
Edwards, Abraham,—1854.*
Ely, Robert E.,—1899, 1900.
Emerton, Ephraim,—1886, 1887.
Fairbairn, Carrie S.,—1899, 1900.
Fairbanks, John W.,—1885, 1886, 1887.
Felton, Cornelius C.,—1849, 1850, 1851, 1852, 1853.
Finnigan, Patrick J.,—1885, 1886, 1887, 1888.
Fiske, John,—1869.
Fitzsimons, Philip M.,—1899, 1900, 1901, 1902, 1903.
Flint, Francis,—1883, 1884, 1885.

Fox, James A.,—1881,* 1882,* 1883,* 1884.*
Foxcroft, Francis A.,—1870, 1871.
Foxcroft, Frank,—1877, 1878.
Fuller, Robert O.,—1891, 1892, 1893. 1894, 1895, 1896, 1897, 1898, 1899, 1900, 1901.
Gage, Seth N.,—1898, 1899, 1900, 1901, 1903, 1904.
Gilmore, Henry H.,—1889,* 1890.*
Goodrich, Massena,—1851.
Goodwin, Ellen A.,—1891, 1892, 1893, 1894, 1895.
Goodwin, Frank,—1881.
Goodwin, William W.,—1867, 1868.
Green, James D.,—1840, 1843, 1846,* 1847,* 1853,* 1860,* 1861.*
Griffin, L. B.,—1842.
Hale, Edwin B.,—1874, 1875, 1876, 1877.
Hall, Edward H.,—1885, 1886, 1887, 1888, 1889, 1890, 1891.
Hall, Franklin,—1859, 1860.
Hall, James H.,—1867, 1876, 1877, 1878, 1879, 1880, 1881.
Hall, James, M. W.,—1880.*
Hammond, John W.,—1867, 1868, 1869, 1873.
Hanus, Paul H.,—1902.
Harding, Hamlin R.,—1868, 1869, 1870,* 1871.*
Harrington, Henry F.,—1860, 1861.
Hart, Albert Bushnell,—1891, 1892, 1893, 1894, 1895, 1896.
Henshaw, William,—1843.
Herrick, William A.,—1872.
Hildreth, John L.,—1875, 1876, 1877, 1881, 1882, 1883, 1884, 1885, 1886, 1887, 1888, 1889, 1890.
Hinckley, Henry,—1872, 1873, 1874, 1875, 1876, 1877, 1878.
Holland, Frederick W.,—1856, 1857.
Hooker, Anson,—1840, 1841, 1842.
Hooker, Anson P.,—1861, 1871, 1872, 1873.
Hoppin, Nicholas,—1843, 1844.
Hosmer, Zelotes,—1850, 1851, 1852, 1853, 1854.
Houghton, Henry O.,—1859, 1860, 1861, 1862, 1863, 1868, 1869, 1872.*
Howe, U. Tracy,—1861, 1862, 1863.
Hubbard, Sanford B. (Secretary),—1888, 1889, 1890, 1891, 1892, 1893, 1894, 1895, 1896, 1897, 1898, 1899, 1900, 1901, 1902, 1903, 1904, 1905, 1906, 1907, 1908, 1909.
Hunt, Freeman,—1884, 1885, 1886, 1887.
Jacobs, Sarah S.,—1880, 1881, 1882, 1883, 1884, 1885, 1886, 1887.
Johnson, George P.,—1891, 1892, 1893, 1894, 1895, 1896, 1897, 1898.
Karr, William S.,—1873, 1874, 1875.
Kelley, Amasa S.,—1858, 1864.
Kelley, Joseph J.,—1898, 1899.
Kendall, Phebe M.,—1880, 1881, 1882, 1883, 1884, 1885, 1886, 1887, 1888, 1889, 1890, 1891, 1892, 1893, 1894.
Keith, Owen S.,—1840.
Kern, Francis V. B.,—1892.
Kingsley, Chester W.,—1860.
Kinsman, Ada R.,—1906, 1907, 1908, 1909.
Kronan, Edward J.,—1904, 1905, 1906.
Ladd, John S.,—1844, 1845, 1846, 1847, 1849.
Lancaster, Sherman R.,—1901, 1902, 1903, 1904, 1905, 1906, 1907, 1908, 1909.
Lansing, Jenny H. S.,—1897, 1898.
Leavitt, George R.,—1871, 1872, 1873, 1874, 1875, 1876, 1877.
Leverett, William,—1844, 1845, 1846.
Lew, James A.,—1904, 1905, 1906, 1907, 1908, 1909.
Livermore, George,—1847, 1848.
Livermore, George W.,—1840, 1841.
Livermore, John,—1843, 1844, 1845, 1871.
Longfellow, Alice M.,—1887, 1888, 1889, 1890.
Loomis, Grove H.,—1868, 1869, 1870.
Malley, Edward B.,—1881, 1882, 1883, 1884, 1885, 1886, 1891, 1892, 1893, 1894, 1895, 1896, 1897, 1898, 1899, 1900, 1901, 1902.
Mandell, William J.,—1901, 1902.
Marsters, John M.,—1859.
Mason, Sumner R.,—1862, 1863, 1864, 1865, 1866, 1869, 1870, 1871.
McCurdy, C. L.,—1855.
McDaniel, Samuel W.,—1873, 1874, 1875.
McDuffie, John,—1860, 1861.
McIntire, Charles J.,—1870, 1871, 1872.
McKelleget, Richard J.,—1888, 1889, 1890.
McKenzie, Alexander,—1869, 1870, 1871, 1872, 1873, 1874, 1881.
McNamee, John H. H.,—1902,* 1903.*
McNeill, George E.,—1873, 1874, 1875.
Mears, David O.,—1869.
Mellen, W. R. G.,—1847, 1848.
Merrill, James C.,—1858, 1859, 1860.
Merrill, J. Warren,—1865,* 1866.*
Metcalf, Charles R.,—1842, 1843.
Mighill, Nathaniel,—1866, 1867.
Miner, George H.,—1869, 1870, 1871, 1872, 1873.

Mitchell, Mary E.,—1893, 1894, 1895, 1896, 1899, 1900, 1901, 1902, 1903, 1904, 1905.
Montague, Samuel L.,—1878,* 1879.*
Morse, Asa P.,—1868, 1869, 1876, 1877, 1878, 1879, 1880, 1881, 1882, 1883, 1884, 1887, 1888, 1889, 1890, 1891, 1892.
Morse, James R.,—1854, 1855, 1856, 1857, 1858, 1860, 1861, 1862, 1865, 1866, 1867, 1868, 1869.
Munroe, William A.,—1869, 1870, 1871, 1872, 1873, 1877, 1878, 1879, 1892, 1893, 1894, 1895, 1896.
Murdock, John N.,—1866.
Muzzey, Artemas B.,—1840, 1841, 1842, 1850, 1851, 1853.
Muzzey, Henry W.,—1864, 1865, 1866.
Nagle, Garrett A.,—1884, 1885.
Newell, William,—1844.
Norris, Albert L.,—1874, 1875, 1876, 1877.
Norton, Charles E.,—1855.
O'Brien, John,—1875, 1876, 1877, 1878, 1879, 1880, 1881, 1882.
Orcutt, William H.,—1877, 1878, 1879, 1880, 1881, 1882, 1883, 1885, 1886, 1887, 1888, 1889.
Page, William P.,—1856, 1857, 1858.
Paine, James L.,—1887, 1888, 1889, 1890, 1891, 1892.
Parker, Joseph W.,—1840, 1841, 1842, 1844, 1845, 1846, 1847, 1848, 1849, 1854, 1855.
Peabody, Andrew P.,—1870, 1871, 1872, 1873, 1874, 1875, 1876, 1877, 1878, 1879, 1880, 1881.
Perkins, Frederick T.,—1850, 1851.
Pervear, Hiram K.,—1863, 1864.
Piper, William Taggard,—1891, 1892,† 1893,† 1894,† 1895,† 1896,† 1897,† 1898,† 1899,† 1900,† 1901,† 1902,† 1903,† 1904,† 1905,† 1906,† 1907,† 1908,† 1909.†
Powers, James F.,—1865, 1866.
Parmenter, Ezra,—1867.*
Rand, Benjamin,—1841.
Raymond, Zebina L.,—1855,* 1864.*
Richardson, George C.,—1863.*
Richardson, William Fox,—1877, 1878, 1879, 1880, 1881, 1882.
Ripley, Ezra,—1858.
Russell, Charles Theodore,—1861,* 1862.*
Russell, J. Henry,—1901, 1902, 1903. 1904, 1905, 1906, 1907, 1908, 1909.
Russell, William E.,—1885,* 1886,* 1887,* 1888.*
Sands, Frank E.,—1905, 1906, 1907, 1908, 1909.
Sargent, John,—1856,* 1857,* 1858,* 1859.*
Saunders, Charles H.,—1868,* 1869.*
Saunders, William A.,—1865.
Sawyer, Jabez A.,—1861, 1862, 1863, 1864, 1869, 1870, 1874, 1883.
Sawyer, Samuel,—1858, 1859.
Scudder, Horace E.,—1877, 1878. 1879, 1880, 1881, 1882.
Scully, Frank P.,—1883.
Scully, Thomas,—1868, 1869.
Sharkey, Joseph E.,—1904, 1905, 1906, 1907, 1908, 1909.
Skinner, Charles A.,—1855, 1856, 1857, 1858, 1859, 1863, 1864, 1865, 1866.
Smith, Clement L.,—1882, 1883.
Somers, John E.,—1905, 1906, 1907, 1908, 1909.
Sortwell, Alvin H.,—1897,* 1898.*
Start, William A.,—1872, 1873, 1879, 1880, 1881, 1882, 1883, 1884, 1885, 1886, 1887, 1888, 1889, 1890, 1891, 1892.
Stearns, William A.,—1843, 1844, 1845, 1846, 1847, 1848, 1849, 1854.
Stevens, Edmund H.,—1876, 1877, 1878, 1879, 1880, 1881.
Stevens, George,—1851,* 1852.*
Stewart, Anne Clark,—1890, 1891, 1892, 1893, 1894, 1895, 1896.
Stimpson, Herbert H.,—1868.
Stone, Arthur P.,—1901, 1902, 1903, 1904.
Taussig, Frank W.,—1893, 1894, 1896, 1897, 1898, 1899, 1900, 1901.
Taylor, Frederic W.,—1892, 1893, 1894, 1895, 1896, 1897, 1898, 1899, 1900.
Taylor, John B.,—1852, 1853, 1854, 1855, 1860, 1861, 1862, 1863, 1864, 1865, 1866.
Thayer, Henry,—1858, 1859.
Thresher, James M.,—1869, 1870, 1871.
Thurston, Charles H.,—1900, 1901, 1902, 1903, 1904, 1905, 1906.*
Tilton, Henry N.,—1882, 1883, 1884, 1885, 1886, 1887.
Torrey, Henry W.,—1859, 1860, 1861, 1862.
Turner, Obed C.,—1882.
Tweed, Benjamin F.,—1881, 1882, 1883, 1884, 1885, 1886.
Twining, Kingsley,—1869, 1870, 1871, 1872.
Tyler, Joseph H.,—1867, 1868, 1869, 1870.
Wadman, Theophilus G.,—1875, 1876.
Walcott, Henry P.,—1869, 1870, 1871, 1872, 1873.

Walker, Robert,—1901, 1902, 1903, 1904, 1905, 1906, 1907, 1908, 1909.
Walsh, Edmund,—1889, 1890, 1891.
Wardwell, Walter C.,—1907.*
Warren, Henry W.,—1866, 1867.
Wellington, William W.,—1846, 1847. 1848, 1849, 1850, 1851, 1852, 1853, 1855, 1856, 1857, 1859, 1860, 1861, 1862, 1863, 1864, 1865, and as Secretary from 1865 to 1887, 22 years.
Wentworth, James Frank,—1903, 1904.
White, Alphonzo E.,—1888, 1889, 1890, 1893, 1894, 1895, 1896, 1897.
Wilkinson, Nathan,—1852, 1853.
Willard, Sidney,—1848,* 1849,* 1850.*
Williams, Charles H.,—1903, 1904.
Willis, Lemuel,—1843, 1844, 1845.
Williston, Lyman R.,—1869, 1870.
Wilson, John,—1878, 1879, 1880.
Wyman, Charles F.,—1891, 1892, 1893, 1894, 1895, 1896, 1897, 1898, 1899, 1900, 1901, 1902, 1903.
Wyman Morrill,—1840, 1868, 1869.

Hale, Edwin B.; Superintendent of Schools,—1868, 1869, 1870, 1871, 1872, 1873.
Cogswell, Francis; Superintendent of Schools from September, 1874, to September, 1905.
Bates, William C.; Superintendent of Schools since September, 1905.
Mirick, Lelia A.; Supervisor of Primary Schools,—1892, 1893, 1894.
Lewis, Mary A.; Supervisor of Primary Schools and Kindergartens since March, 1895.

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*Mayor, chairman *ex officio*. †Presiding officer. Office created in 1891.

BOOKS OF INTEREST TO TEACHERS.

The following list of books has been prepared by the librarian of the Cambridge Public Library, Mr. Clarence W. Ayer, for use by the teachers of the public schools. It is arranged to bring out special topics of teaching, and to include some of the representative aids to teachers on all subjects. Teachers are welcome to consult the books on the shelves in the stack.

EDUCATIONAL, GENERAL.

Allen. Home school and vacation. 1907	370.4—AL5
Ascham. The scolemaster. 1884	370—As23
Baker. Education and life. 1900	370.4—B17
Benson. The schoolmaster. 1908	370—B44
Boone. Science of education. 1904	370—B64
Briggs. Routine and ideals. 1904	370.4—B761
——— School, college, and character. 1901	370.4—B76
Butler. The meaning of education. 1898.	370.4—B97
Butler, *ed.* Education in the United States. 2v. 1900	370.4—B972
Chancellor. Motives, ideals, and values in education. 1907	370.1—C36
Comenius. The great didactic. 1896	370—C73
——— Orbis pictus. 1887	370—C731
Currie. Principles and practice of common school education. 188—	370—C93
Davidson. Rousseau and education according to nature. 1898	370—D28
De Garmo. Interest and education. 1902	370—D36
Dewey. The school and society. 1899	370.4—D51
——— The child and the curriculum. 1908	370—D51
——— Studies in education. Ed. by Earl Barnes. 2 v. 1902-1903	370—St9
Dutton. Social phases of education in the school and the home. 1899	370.4—D95
Eliot. Educational reform. 1898	370.4—EL4
Felkin. Introduction to Herbart's science and practice of education. 1895	370.1—F33
Fitch. Educational aims and methods. 1900	370.4—F55
Fletcher, *ed.* Sonnenschein's cyclopædia of education. 1889	370.3—F63
Hanus. Beginnings in industrial education, and other educational discussions. 1908	370.4—H1911
——— Educational aims and educational values. 1899	370.4—H19
——— A modern school. 1904	370.4—H191
Hart. Studies in American education. 1895	370.4—H25
Henderson. Education and the larger life. 1902	370.4—H38
Herbart. Outlines of educational doctrine. 1901	370—H41
Horne. Philosophy of education. 1904	370.1—H78
Huxley. Science and education. 1894	370.4—H98
Kay. Education and educators. 1883	370—K18
Kiddle *and* Schem, *eds.* Cyclopædia of education. 1877.	370.3—K53
——— Dictionary of education and instruction. Based upon the *Cyclopaedia of education.* 1881	370.3—K532
Locke. Some thoughts concerning education. 1880	370—L79
Lyttelton, *and others.* Thirteen essays on education. 1891	370.4—L99

McMurry. Elements of general method, based on the principles of Herbart. 1903 . . . . . 370.1—M22
Mann. [Life and works of Horace Mann. Ed. by Mrs. Mann.] 5v. 1891 . . . . . 370.8—M313
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REPORT OF THE CAMBRIDGE WATER BOARD.

April 10, 1909.

To the Honorable, the City Council of the City of Cambridge:—

The forty-fourth annual report of the Cambridge Water Board for the sixteen months ending March 31, 1909, is herewith submitted for your consideration.

The reports of the Superintendent of Water Works, Water Registrar and Commissioners of the Sinking Fund of the City give in detail the operations and financial condition of the water works.

FINANCIAL STATEMENT IN BRIEF.

Total cost of the Water Works to November 30, 1907	$6,426,381 87
Expended during the past sixteen months on Construction Account	51,325 35
Total cost to March 31, 1909	$6,477,707 22

WATER WORKS BOND ACCOUNT.

Whole amount of bonds outstanding	$3,774,100 00
Less value of the water debt sinking fund	1,704,648 77
Net water debt on March 31, 1909	$2,069,451 23

During the past year, $12,500.00 of 3½ per cent. Water Bonds and $71,000.00 of 4 per cent. Water Bonds matured and were paid. Bonds were issued this year on June 1 to the amount of $20,000.00 at 4 per cent. for twenty years, and on August 1 to the amount of $17,000.00 at 4 per cent. for thirty years. The total amount of Water Bonds outstanding is thus $46,500.00 less than on November 30, 1907.

CONSUMPTION OF WATER.

The total consumption of water for the year ending December 1, 1908, was	3,842,170,340	gallons
The total consumption of water for the year ending December 1, 1907, was	4,038,875,720	"
Decrease over last year	196,705,380	"
Average daily consumption in 1908	10,497,733	"
Average daily consumption in 1907	11,065,413	"
Daily average decrease	567,680	"

The decrease shown above is greater than any year since 1900, when the total consumption decreased 231,293,190 gallons, and the daily average consumption decreased 633,680 gallons.

The total consumption of water for the four months from November 30, 1908, to March 31, 1909, was .	1,200,677,720	gallons
The total consumption of water for the four months from November 30, 1907, to March 31, 1908, was .	1,350,396,080	"
Showing a total decrease of	149,718,360	"
A daily average decrease of	1,237,342	"

The decrease in consumption is due in part to the setting of meters; in part to the increased use of water for cooling purposes from Charles River Basin by several large corporations; in part to the general depression in business; and in part to the mildness of the past winter.

WATER FOR PUBLIC USES.

Although we have meters on most of the public buildings, schoolhouses, etc., there is no charge for the water used and absolutely no restriction on its use; hence no incentive to economical use. The water used for street watering, sewer flushing, and fire hydrants is unmetered. Unquestionably a large quantity of water is daily wasted, and the various departments are placing a heavy burden upon our resources. We do not allow private consumers to waste water, but the several departments of the city waste it without check and without compensation.

The schools and public buildings have used during the past year more than 25,000,000 gallons of metered water, without taking into account public buildings unmetered, the Almshouse, City Farm and Cemetery.

It is the custom of the Departments of the City to charge the Water Department with all materials, supplies and labor furnished.

Since 1885 the Water Department has not received any credit for the water furnished to these very same departments. In our opinion this is unjust, and we recommend that the water ordinance be so amended that payment shall be made to this Board for the water used by the City, as was the custom prior to 1885; so the citizens at large, and not private consumers, shall pay for water which is used for public purposes alone. The following extract from the report of the Water Commissioners of the City of Gloucester is quite pertinent, viz.:—

"The argument, we know, has been advanced in certain quarters

that inasmuch as the City owns the plant, she should not pay for the water used. It is seemingly forgotten, first, that the City owns but . . . part of the plant in fact, so long as there is a mortgage . . . resting upon the same; and allowing even that not one cent of debt was in evidence, the fact would still remain that every gallon of water placed in the reservoir . . . has its direct expense, and when this water is used in a public manner, for the public good, in engine houses and school buildings, and other public edifices, or from standpipes or hydrants, it should be paid for from the public purse, not from the pocketbook of the private consumer, who has a sufficient task to pay for the water which he alone uses."

Another argument in favor of the above recommendation is that if the Water Department is credited with the revenue for water furnished the several departments, a reduction could be made in the water rates which would benefit the consumers and not the public at large.

EXTENSION OF HOBBS BROOK CONDUIT.

There is now remaining Legislative authority to issue water bonds for but $36,500.00, so that if construction work of any magnitude is necessary, it will be impossible to proceed, owing to lack of funds.

In our last annual report, we recommended that application be made to the Legislature for authority to issue further water bonds to the amount of $500,000.00 for the extension and protection of the water supply. In addition, twice during the past year special communications have been sent to the City Council recommending action in the matter, but nothing has been done.

We believe the Hobbs Brook Conduit should be extended from its present terminus in Waltham to Hobbs Brook Reservoir. To quote from our last report:

"By extending the conduit through to the Reservoir, the City will not only have more water available, but will have two totally independent supplies; one from Hobbs Brook Reservoir to Fresh Pond, and the other from Stony Brook Reservoir to the same place. In case of accident to either pipe line, the water could be shut off and a supply sufficient for the City during repairs be drawn from the other.

"The construction of this conduit will cost in the neighborhood of $300,000.00, and in view of figures regarding consumption already given, the Board believes that the matter deserves immediate consideration."

HOBBS BROOK CONDUIT LAND DAMAGES.

We have been enabled to settle a number of claims the past year. There are now but seven cases pending, besides a few small claims for personal damages.

STONY BROOK CONDUIT.

In response to our recommendation of last year to the City Council, an appropriation was made for the relocation of a portion of the Stony Brook thirty-inch iron pipe line, in order to eliminate a summit which checked the flow of water through the pipe. The work was done by day labor under the direction of Superintendent Brooks, and has resulted in an increased flow of approximately 1,000,000 gallons per day.

METERS.

Six hundred and ninety meters have been set during the past sixteen months, making the total number placed 3,978. The number of water services without meter is 11,358, thus showing twenty-six per cent. of total services now metered.

With the present method of applying meters we shall have, from year to year, quite a loss in our revenue. The past year we have had an appropriation for setting meters on application five times as large as that for setting compulsory meters. The result is that on the voluntary meters we meet with a loss of revenue averaging fifty per cent. compared with our collections at schedule rates.

The erection of the dam at Craigie Bridge and retention of fresh water in Charles River Basin has also resulted in a large loss in revenue from the Boston Elevated Railway Company and a number of business concerns who draw the water from the Basin for cooling purposes, instead of using Fresh Pond water.

FRESH POND PARK.

The recommendations of the Board made last year, that the banks about the pond on the north shore be graded and planted and that

changes be made in the entrance to Kingsley Park, have been carried out with the exception of the planting and seeding, which should be completed early this season.

ALVIN F. SORTWELL,
JOHN F. O'BRIEN,
GEORGE H. HOWARD,
ANDREW J. RADY,
AUGUSTUS W. DUDLEY,

Cambridge Water Board.

REPORT OF THE WATER REGISTRAR.

WATER REGISTRAR'S OFFICE,
CAMBRIDGE, April 1, 1909.

To the Cambridge Water Board:—

In compliance with the requirements of the City Ordinance I present the forty-fourth annual report of the operations of this Department, showing the receipts, expenditures and abatements, together with a statement of the number of water takers, etc., for the sixteen months ending March 31, 1909.

Amount of bills remaining unpaid November 30, 1907:—

Water rates	$5,585 99
Supplies and repairs	1,579 52
Off and on	168 00
Seals	7 50
Maintenance account	1,736 16
Construction account	647 31

Amount of bills placed in hands of City Treasurer for collection from November 30, 1907, to March 31, 1909:—

Water rates	$415,821 03	
Supplies and repairs	5,990 04	
Off and on	733 00	
Rents	144 00	
Seals	113 25	
Maintenance account	699 03	
Construction account	6,334 86	
Total bills		$439,559 69

There has been collected:—

Water rates	$413,321 16
Supplies and repairs	5,741 36
Off and on	678 00
Rents	192 00
Seals	97 50
Maintenance account	696 03
Construction account	6,419 81

There has been abated:—

Water rates, off and on, and seals, supplies and repairs and construction account	2,892 01

There remains uncollected:—

Water rates	5,273 57	
Supplies and repairs	1,776 34	
Off and on	161 00	
Seals	21 50	
Maintenance account	1,727 15	
Construction account	562 36	
		$439,559 79

EXPENDITURES.

Construction account, from November 30, 1907, to March 31, 1909	$51,325 35	
Maintenance account, from November 30, 1907, to March 31, 1909	109,660 08	
		$160,985 43

ABATEMENTS.

Water rates, and supply and repair bills, from November 30, 1907, to March 31, 1909, to amount of	$2,892 01

REFUNDS.

Water rates from November 30, 1907, to March 31, 1909, to the amount of	$2,787 75	
Which amount deducted from receipts	413,321 16	
Leaves net receipts for water	$410,533 41	
Add off and on, fines, rents, seals, and Maintenance account	7,404 89	
Makes net receipts of rates, fines, etc.		$417,938 30

OFF AND ON:

Water has been shut off for non-payment of rates, or per order on account of vacancy, and seals have been applied to fixtures by request of owners, as follows:—

Water shut off from November 30, 1907, to March 31, 1909	747
Supplies let on, shut off during November 30, 1907, to March 30, 1909	621
Supplies let on, shut off in previous years	84
New supplies let on from November 30, 1907, to March 31, 1909	138
Seal locks applied to fixtures from November 30, 1907, to March 31, 1909	341
Seal locks removed, put on from November 30, 1907, to March 31, 1909	163
Seal locks removed, put on in previous years	303

Statement of yearly revenue received from water rates since the purchase of the works by the City:—

From April 28, 1865, to December 1, 1865	$32,367 19
From December 1, 1865, to December 1, 1866	40,073 27
From December 1, 1866, to December 1, 1867	53,733 62
From December 1, 1867, to December 1, 1868	63,747 42
From December 1, 1868, to December 1, 1869	76,149 30
From December 1, 1869, to December 1, 1870	92,605 95
From December 1, 1870, to December 1, 1871	111,782 65
From December 1, 1871, to December 1, 1872	127,201 30
From December 1, 1872, to December 1, 1873	146,117 32
From December 1, 1873, to December 1, 1874	153,634 27
From December 1, 1874, to December 1, 1875	138,880 37
From December 1, 1875, to December 1, 1876	179,166 76
From December 1, 1876, to December 1, 1877	154,843 59
From December 1, 1877, to December 1, 1878	157,443 91
From December 1, 1878, to December 1, 1879	164,681 90
From December 1, 1879, to December 1, 1880	173,325 49
From December 1, 1880, to December 1, 1881	170,062 73
From December 1, 1881, to December 1, 1882	177,430 80
From December 1, 1882, to December 1, 1883	179,361 89
From December 1, 1883, to December 1, 1884	161,526 27
From December 1, 1884, to December 1, 1885	185,544 36
From December 1, 1885, to December 1, 1886	199,404 43
From December 1, 1886, to December 1, 1887	204,748 64
From December 1, 1887, to December 1, 1888	211,156 27
From December 1, 1888, to December 1, 1889	221,124 70
From December 1, 1889, to December 1, 1890	231,116 32
From December 1, 1890, to December 1, 1891	227,054 53
From December 1, 1891, to December 1, 1892	237,527 08
From December 1, 1892, to December 1, 1893	242,219 78
From December 1, 1893, to December 1, 1894	250,032 71
From December 1, 1894, to December 1, 1895	268,813 62
From December 1, 1895, to December 1, 1896	281,030 00
From December 1, 1896, to December 1, 1897	291,457 62
From December 1, 1897, to December 1, 1898	297,129 78
From December 1, 1898, to December 1, 1899	302,569 00
From December 1, 1899, to December 1, 1900	319,479 37
From December 1, 1900, to December 1, 1901	320,468 01
From December 1, 1901, to December 1, 1902	323,000 53
From December 1, 1902, to December 1, 1903	333,777 34
From December 1, 1903, to December 1, 1904	339,109 27
From December 1, 1904, to December 1, 1905	343,916 00
From December 1, 1905, to December 1, 1906	355,768 47
From December 1, 1906, to December 1, 1907	373,151 35
From December 1, 1907, to March 31, 1909 (16 months)	410,533 41

Comparative Statement.

	1907		Nov. 30, 1907, to March 31, 1909	
Construction Account.				
(Hobbs Brook Conduit.)				
Received.				
Balance of 1907 appropriation			$12,741 91	
From sale of bonds	$50,000 00		20,000 00	
Premium on bonds issued	247 50		1,270 00	
		$50,247 50		$34,011 91
Expended.				
Hobbs Brook Conduit extension			$18,248 89	
Land settlements, etc.	$37,258 09		10,083 60	
Balance to credit on Construction Account	12,989 41		5,679 42	
		50,247 50		34,011 91
Construction Account.				
(General.)				
Received.				
From balance of 1907 appropriation			$3,884 46	
From bonds issued	$25,000 00		17,000 00	
Premium on bonds sold			1,077 80	
From sale of old material, etc.	906 21		1,919 81	
From Charles River Basin Commission for Broad Canal Conduits			4,500 00	
		$25,906 21		$28,382 07
Expended.				
Sundry bills and pay rolls	$23,121 46		$16,829 47	
Meters on application			5,164 44	
Meters Compulsory			998 95	
Balance to credit on Construction Account	2,784 75		5,389 21	
		25,906 21		28,382 07
Maintenance Account.				
Received.				
Balance due interest account, 1907			$6,834 75	
Balance due Fresh Pond Sanitary, 1907			2,312 61	
From rates, fines, etc.	$386,837 00		416,133 55	
Accrued interest on bonds sold	144 77		139 44	
Miscellaneous receipts			7,484 51	
		$386,981 77		$432,904 86
Expended.				
Care and repairs	$30,059 45		$38,260 81	
Salaries	11,332 90		15,961 65	
Work at Fresh Pond	6,731 64		7,313 27	
Fresh Pond Grading			8,000 00	
Fresh Pond Sanitary	687 39		2,311 00	
Fresh Pond, sanitaries, etc., unexpended balance reappropriated	2,312 61			
Hobbs Brook Reservoir	1,448 83		1,344 66	
Payson Park Reservoir	803 75		810 33	
Stony Brook Reservoir	2,346 14		2,774 10	
Pumping Salaries and other expenses	20,076 86		24,204 51	
Ice for drinking fountains	777 76		726 48	
Purchase and setting meters			5,453 27	
Services of City Treasurer	1,500 00			

COMPARATIVE STATEMENT.—(Continued.)

	1907		Nov. 30, 1907, to March 31, 1909	
Services of City Treasurer and City Solicitor			$2,500 00	
Refunds	4,062 37		2,787 75	
Abatements	3,198 35		2,892 01	
Sinking fund	125,110 00		122,538 00	
Interest on water debt	150,165 25		182,519 00	
Serial bond paid	12,500 00		12,500 00	
Balance to credit of Maintenance Account			8 02	
Excess of Receipts	7,033 72			
Unpaid interest reappropriated	6,834 75			
		$386,981 77		$432,904 86
Carried to sinking fund 1907		$7,033 72		
Balance to credit of Maintenance Account of 1909				$8 02

The usual house-to-house inspection has been made.

Respectfully submitted,

WALTER H. HARDING,

Registrar.

ANNUAL STATEMENT OF THE WATER REGISTRAR TO THE COMMITTEE ON ACCOUNTS, MARCH 31, 1909.

March 31, 1909.

Uncollected November 30, 1907:—

Water rates	$5,585 99	
Supplies and repairs	1,579 52	
Off and on	168 00	
Seals	7 50	
Maintenance account	1,736 16	
Construction account	647 31	
		$9,724 48

Bills placed in the hands of the City Treasurer for collection from December 1, 1907, to March 31, 1909:—

Water rates	$415,821 03	
Supplies and repairs	5,990 04	
Off and on	733 00	
Rents	144 00	
Seals	113 25	
Maintenance account	699 03	
Construction account	6,334 86	
		429,835 21
Total bills		$439,559 69

There has been collected:—

Water rates	$413,321 16	
Supplies and repairs	5,741 36	
Off and on	678 00	
Rents	192 00	
Seals	97 50	
Maintenance account	696 03	
Construction account	6,419 81	
		$427,145 86

There has been abated:—

Water rates, off and on, and seals, supplies and repairs, and Construction account	2,892 01

There remains uncollected:—

Water rates	$5,273 57		
Supplies and repairs	1,776 34		
Off and on	161 00		
Seals	21 50		
Maintenance account	1,727 15		
Construction account	562 36		
		9,521 92	
Total bills for collection			$439,559 79
Less abated	$2,892 01		
Less refunded	2,787 75		
Less unpaid	9,521 92		
			15,201 68
Net receipts			$424,358 11

Attest:

WALTER H. HARDING,
Registrar.

CAMBRIDGE, April, 1909.

We have examined the accounts of the Water Registrar and find that they correspond in the amounts collected, abated, refunded, and uncollected with the statement submitted by the City Treasurer and verified by the City Auditor.

Committee on Accounts.

The bonded Water Debt matures as follows:—

May 1, 1909	3 1-2s	$12,500 00
July 1, 1909	4s	20,000 00
May 1, 1910	3 1-2s	12,500 00
May 2, 1910	4s	288,000 00
July 1, 1910	4s	75,000 00
Sept. 1, 1910	4s	125,000 00
Jan. 1, 1911	4s	20,000 00
May 1, 1911	3 1-2s	12,500 00
Oct. 1, 1911	4s	35,000 00
Jan. 1, 1912	4s	150,000 00
May 1, 1912	4s	75,000 00
May 1, 1912	3 1-2s	12,500 00
Nov. 1, 1912	4s	45,000 00
Feb. 1, 1913	4s	100,000 00
May 1, 1913	3 1-2s	12,500 00
Aug. 1, 1913	4s	50,000 00
May 1, 1914	3 1-2s	12,500 00
Apr. 1, 1915	4s	200,000 00
May 1, 1915	3 1-2s	12,500 00
Aug. 1, 1915	4s	200,000 00
Apr. 1, 1916	4s	100,000 00
May 1, 1916	3 1-2s	12,500 00

July 1, 1916	4s	200,000	00
Aug. 1, 1916	4s	100,000	00
Oct. 1, 1916	4s	265,100	00
Apr. 1, 1917	3 1-2s	200,000	00
May 1, 1917	3 1-2s	12,500	00
July 1, 1917	3 1-2s	100,000	00
Nov. 1, 1917	3 1-2s	75,000	00
Dec. 1, 1917	3 1-2s	140,000	00
May 1, 1918	3 1-2s	12,500	00
May 2, 1918	3 1-2s	50,000	00
June 1, 1918	3 1-2s	60,000	00
Nov. 1, 1918	3 1-2s	50,000	00
May 1, 1919	3 1-2s	12,500	00
Nov. 1, 1919	3 1-2s	23,000	00
May 1, 1920	3 1-2s	12,500	00
Nov. 1, 1920	3 1-2s	30,000	00
May 1, 1921	3 1-2s	12,500	00
July 1, 1921	3 1-2s	30,000	00
May 1, 1922	3 1-2s	12,500	00
July 1, 1922	3 1-2s	13,500	00
Nov. 1, 1922	3 1-2s	5,000	00
May 1, 1923	3 1-2s	12,500	00
Apr. 1, 1924	4s	300,000	00
May 1, 1924	3 1-2s	12,500	00
May 1, 1925	3 1-2s	12,500	00
May 1, 1925	3 1-2s	15,000	00
May 1, 1925	3 1-2s	26,000	00
May 1, 1925	3 1-2s	5,000	00
June 1, 1928	4s	20,000	00
May 1, 1936	4s	280,000	00
June 1, 1937	4s	49,000	00
July 1, 1937	4s	25,000	00
Aug. 1, 1938	4s	17,000	00
			-$3,774,100 00

REPORT OF THE SUPERINTENDENT OF WATER WORKS.

CAMBRIDGE, MASS., April 1, 1909.

To the Honorable Water Board of the City of Cambridge:—

GENTLEMEN:—Complying with the requirements of the City Ordinance, I herewith submit the report of the Superintendent for the sixteen months extending from December 1, 1907, to March 31, 1909; the additional four months having been included because of the adopting of our new City Charter and the change of our fiscal year from December 1 to April 1.

In compiling this report, in order to compare this and other years' statistics, it has been necessary to make practically two reports: one extending from December 1, 1907, to December 1, 1908; and the other extending from April 1, 1908, to March 31, 1909.

From this date the annual reports will cover the years from April 1 to March 31 of the following year.

CONSUMPTION.

	Gallons
Total quantity of water consumed from December 1, 1907, to March 31, 1908	1,350,396,080
Total quantity of water consumed from April 1, 1908. to November 30, 1908	2,491,774,260
Total quantity of water consumed from December 1, 1908, to March 31, 1909	1,200,677,720
Total quantity of water consumed from December 1, 1907, to November 30, 1908	3,842,170,340
Total quantity of water consumed from April 1, 1908, to March 31, 1909	3,692,451,980
Total quantity of water sold by meter from December 1, 1907, to November 30, 1908	1,398,448,500
and from April 1, 1908, to March 31, 1909	1,403,131,000
Total quantity of water used for constructing and sprinkling streets, from December 1, 1907, to November 30, 1908	85,431,250

This amount would cover the sixteen months.

Total quantity of water used for flushing sewers from December 1, 1907, to November 30, 1908	5,200,000
and from December 1, 1908, to March 31, 1909	1,730,000
Total quantity of water used for cleaning sanitaries from December 1, 1907, to November 30, 1908	7,500,000
and from December 1, 1908, to March 31, 1909	2,500,000
Total quantity of water used for public buildings from December 1, 1907, to November 30, 1908	46,897,297
and from December 1, 1908, to March 31, 1909	15,632,432
Total quantity of water used for drinking fountains from December 1, 1907, to November 30, 1908	35,000,000

and from December 1, 1908, to March 31, 1909	11,700,000
Total quantity of water used for testing meters from December 1, 1907, to November 30, 1908	600,000
Total quantity of water used for fire purposes from December 1, 1907, to November 30, 1908	5,000,000
and from December 1, 1908, to March 31, 1909	1,700,000
Number of gallons daily for each inhabitant on amount of water pumped, from December 1, 1907, to November 30, 1908	104
Number of gallons daily for each inhabitant on amount of water pumped, from April 1, 1908, to March 31, 1909	101

COMPARATIVE STATEMENT OF TOTAL CONSUMPTION DURING THE PAST TEN YEARS.

Year.	Annual Consumption.	Increase or Decrease.	Average Daily Consumption.	Increase or Decrease.	Average Daily Consumption per Capita.	Estimated Population.
	Gallons	Gallons	Gallons	Gallons	Gallons	
1899	2,882,570,430	90,249,320 increase	7,897,453	247,258 increase	87.16	90,607
1900	2,651,277,240	231,293,190 decrease	7,263,773	633,680 decrease	78.69	92,300
1901	2,785,156,440	133,879,200 increase	7,630,566	366,793 increase	80.87	92,716
1902	2,930,553,545	145,397,105 "	8,028,914	398,348 "	85.27	94,152
1903	3,160,704,360	230,150,815 "	8,659,463	630,549 "	89.56	96,685
1904	3,210,982,145	50,277,785 "	8,773,175	113,712 "	89.68	97,825
1905	3,294,159,640	83,177,495 "	9,025,095	251,920 "	92.63	97,426
1906	3,386,180,600	92,020,960 "	9,277,207	252,112 "	92.83	99,934
1907	4,038,875,720	652,695,120 "	11,065,413	1,788,206 "	110.00	99,912
*	3,842,170,340	196,705,380 decrease	10,497,733	567,680 decrease	104.00	100,000
§	3,692,451,980	149,718,360 "	10,116,307	381,426 "	101.00	100,000

* Figures for year extending from December 1, 1907 to November 30, 1908.

§ Figures for year extending from April 1, 1908 to March 31, 1909.

The following statistics refer to year extending from December 1, 1907, to November 30, 1908:—

Total amount of coal consumed	4,835,065 lbs.
Daily average of coal consumed	13,210 lbs.
Coal consumed per million gallons pumped	1,258 lbs.
Highest water elevation in Fresh Pond was on January 8	16.90
Lowest water elevation in Fresh Pond was on October 13	13.29
Average height of water in Fresh Pond	15.97
Highest water elevation in Stony Brook Reservoir was on February 16, 1908	81.96
Lowest water elevation in Stony Brook Reservoir was on August 23, 1908	79.66
Highest water elevation in Hobbs Brook Reservoir, No. 1, Lincoln Street, was on February 16, 1908	181.60
Lowest water elevation in Hobbs Brook Reservoir, No. 1, Lincoln Street, was on October 26, 1908	179.25
Highest water elevation in Hobbs Brook Reservoir, No. 2, Winter Street, was on February 16, 1908	181.60
Lowest water elevation in Hobbs Brook Reservoir, No. 2, Winter Street, was on November 30, 1908	169.90
Total rainfall at Fresh Pond Pumping Station	29.77
Total rainfall at Stony Brook Reservoir	34.93
Total rainfall at Hobbs Brook Reservoir	31.50

and for the year extending from April 1, 1908, to March 31, 1909, the statistics are as follows:—

Total amount of coal consumed	4,623,765 lbs.
Daily average coal consumed	12,673 lbs.
Coal consumed per million gallons pumped	1,252 lbs.
Highest water elevation in Fresh Pond was on August 8, 1908	16.90
Lowest water elevation in Fresh Pond was on October 13, 1908	13.29
Average height of water in Fresh Pond	15.63
Highest water elevation in Stony Brook Reservoir was on February 25, 1909	82.12
Lowest water elevation in Stony Brook Reservoir was on October 14, 1908	79.96
Highest water elevation in Hobbs Brook Reservoir, No. 1, Lincoln Street, was on May 8, 1908	181.45
Lowest water elevation in Hobbs Brook Reservoir, No. 1, Lincoln Street, was on October 26, 1908	179.25
Highest water elevation in Hobbs Brook Reservoir, No. 2, Winter Street, was on April 1, 1908	181.40
Lowest water elevation in Hobbs Brook Reservoir, No. 2, Winter Street, was on February 6, 1909	168.50
Total rainfall at Fresh Pond Pumping Station	30.67
Total rainfall at Stony Brook Reservoir	34.87
Total rainfall at Hobbs Brook Reservoir	34.77

TOTAL RAINFALL FOR THE PAST TEN YEARS AT FRESH POND RESERVOIR.

	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907
December.....	2.00	1.30	1.74	7.71	4.37	2.87	1.92	3.63	4.10	3.87
	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908
January.....	3.85	4.40	1.55	1.97	3.19	5.00	3.47	2.46	2.46	3.28
February.....	3.99	7.34	.79	4.29	3.50	3.00	1.09	2.73	1.59	3.39
March.....	5.94	5.10	6.89	6.16	4.89	2.35	2.52	5.67	1.91	2.97
April.....	1.32	1.99	8.80	3.56	3.98	8.57	2.87	2.02	2.64	1.54
May.....	.77	5.52	6.96	1.08	.35	3.58	1.30	5.73	2.86	3.03
June.....	3.17	2.75	1.33	2.40	8.46	2.74	4.41	3.81	2.66	.70
July.....	3.12	2.31	4.70	3.14	3.72	1.70	1.86	3.26	1.20	3.21
August.....	3.21	2.80	4.17	3.62	3.81	2.53	3.06	1.43	.69	3.40
September.....	4.63	4.40	3.74	3.36	1.72	5.87	5.97	2.31	7.92	.64
October.....	3.08	3.75	2.86	4.65	4.54	1.85	1.30	2.86	2.57	3.16
November.....	2.20	5.23	2.67	1.37	1.70	2.83	2.91	2.80	5.95	.58
Total, inches	37.28	46.89	46.20	43.31	44.23	42.89	32.68	38.71	36.55	29.77

TOTAL RAINFALL FOR THE PAST TEN YEARS AT FRESH POND RESERVOIR.

CONFORMING TO NEW FISCAL YEAR ENDING MARCH 31

	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908
April.....	1.32	1.99	8.80	3.56	3.98	8.57	2.87	2.02	2.64	1.54
May.....	.77	5.52	6.96	1.08	.35	3.58	1.30	5.73	2.86	3.03
June.....	3.17	2.75	1.33	2.40	8.46	2.74	4.41	3.81	2.66	.70
July.....	3.12	2.31	4.70	3.14	3.72	1.70	1.86	3.26	1.20	3.21
August.....	3.21	2.80	4.17	3.62	3.81	2.53	3.06	1.43	.69	3.40
September.....	4.63	4.40	3.74	3.36	1.72	5.87	5.97	2.31	7.92	.64
October.....	3.08	3.75	2.86	4.65	4.54	1.85	1.30	2.86	2.57	3 16
November.....	2.20	5.23	2.67	1.37	1.70	2.83	2.91	2.80	5.95	.58
December.....	1.30	1.74	7.71	4.37	2.87	1.92	3.63	4.10	3.87	2.27
	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909
January.....	4.40	1.55	1.97	3.19	5.00	3.47	2.46	2.46	3.28	3.92
February.....	7.34	.79	4.29	3.50	3.00	1.09	2.73	1.59	3.29	4.81
March.....	5.10	6.89	6.16	4.89	2.35	2.52	5.67	1.91	2.97	3.41
Total, inches	39.64	39.72	55.36	39.13	41.50	38.67	38.17	34.28	40.00	30.67

TOTAL RAINFALL FOR THE PAST TEN YEARS AT FRESH POND, STONY BROOK AND HOBBS BROOK RESERVOIRS.

	Fresh Pond Reservoir.	Stony Brook Reservoir.	Hobbs Brook Reservoir.
	Inches.	Inches.	Inches.
Year extending from December 1 to November 30.			
1899	37.28	43.96	34.22
1900	46.89	51.34	45.89
1901	46.20	46.77	43.72
1902	43.31	44.58	42.24
1903	44.23	45.97	47.42
1904	42.89	41.18	39.95
1905	32.68	38.40	37.96
1906	38.71	39.16	39.16
1907	36.55	42.32	39.20
1908	29.77	34.93	31.50
Year extending from April 1, 1908 to March 31, 1909.			
	30.67	34.87	34.77

TOTAL RAINFALL FOR THE YEAR ENDING NOVEMBER 30, 1908, AT FRESH POND, STONY BROOK AND HOBBS BROOK RESERVOIRS.

	Fresh Pond Reservoir.	Stony Brook Reservoir.	Hobbs Brook Reservoir.
1907			
December	3.87	3.84	2.94
1908			
January	3.28	3.53	2.95
February	3.39	4.83	2.72
March	2.97	3.66	2.67
April	1.54	1.48	1.40
May	3.03	4.28	4.10
June	.70	1.25	1.55
July	3.21	3.56	4.17
August	3.40	3.97	4.55
September	.64	.87	.90
October	3.16	2.61	2.75
November	.58	1.05	.80
Total, (inches)	29.77	34.93	31.50

FOR FUTURE COMPARISON FOR THE YEARS ENDING MARCH 31, THE FOLLOWING TABLE OF RAINFALL IN THE SEVERAL RESERVOIRS IS GIVEN.

	Fresh Pond Reservoir.	Stony Brook Reservoir.	Hobbs Brook Reservoir.
1908			
April	1.54	1.48	1.40
May	3.03	4.28	4.10
June	.70	1.25	1.55
July	3.21	3.56	4 17
August	3.40	3.97	4.55
September	.64	.87	.90
October	3.16	2.61	2.75
November	.58	1.05	.80
December	2.27	2.50	2.50
1909			
January	3.92	4.21	3.85
February	4.81	5.14	5.05
March	3.41	3.95	3.15
Total, (inches)	30.67	34.87	34.77

FRESH POND AND SURROUNDINGS.

The sanitary, which was under construction at the date of last report, has been finished and opened for use. It has proved a great convenience to the many people frequenting the grounds.

The entrance to the pond driveway at Kingsley Park has been changed so as to permit of driving in either direction from this entrance around the pond, and the roadway around this point of the grove has been discontinued and made into a walk.

The work has been done under the direction of Olmsted Brothers, and in accordance with plans furnished by them.

The work of grading the banks on the north side of the pond, near the nursery, has also been finished as far as the grading, and only the seeding, planting of shrubbery, and the finishing of the walks remain to be done.

The work of exterminating the Gypsy and Brown Tail moths. and the San Jose scale, has required the work of several men a large part of the time during cold weather when conditions were such that the men could work.

The standing grass, not needed by the Department, has as usual been sold at public auction.

For the average height of water in the pond during the year, see tables herein.

FRESH POND RESERVOIR.

	Lowest Elevation During Month.	Highest Elevation During Month.	Monthly Rainfall.
1907			
December 7	15.57	.....	.....
December 31	.....	16.62	3.87
1908			
January 8	.....	16.90	.....
January 21	16.11	.....	3.28
February 2	.....	16.23	.....
February 29	15.54	.....	3.39
March 18	.....	16.80	.....
March 29	16.01	.....	2.97
April 1	.....	16.14	.....
April 28	15.66	.....	1.54
May 4	15.77	.....	.....
May 27	.....	16.29	3.03
June 3	.....	16.29	.....
June 23	15.99	.....	.70
July 17	16.11	.....	.....
July 31	.....	16.60	3.21
August 8	.....	16.90	.....
August 22	16.00	.....	3.40
September 9	.....	16.73	.....
September 30	15.49	.....	.64
October 1	.....	15.27	.....
October 13	13.29	.....	3.16
November 1	14.75	.....	.....
November 28	.....	16.43	.58
December 1	.....	16.14	.....
December 31	14.30	.....	2.27
1909			
January 19	13 49	.....	.....
January 31	.....	14.41	3.92
February 1	14.45	.....	.....
February 25	.....	16.63	4.81
March 4	15.87	.....	.....
March 31	.. ..	16 31	3.41

PUMPING STATION.

The Leavitt engine has pumped nearly all the water used the last year; the Worthington engines having been run only a couple of days to insure their being in condition for use should occasion require.

The Bellpaire boiler No. 1 developed two cracks in the flanging of the firebox sheets at the rear end of furnaces; these have been repaired by putting on two small patches, and both boilers are now in good condition.

The grounds about the station have received the usual care, but should be top dressed this year.

All buildings at the station should be painted this year.

The report of the Chief Engineer is appended.

FRESH POND PUMPING STATION.

	Running Time.			Total.	Pumpage.	Daily Average Pumpage.	Total Coal Consumed.	Daily Average Coal Consumed.	Rainfall.	Average Height of Pond.
	Engine No.	Total.	Daily Average.							
1907		Hours.	Hours.	Gallons.	Gallons.	Gallons.	Pounds.	Pounds.	Inches.	Feet.
December	7	412	13.29	330,113,960	330,113,960	10,648,837	424,200	13,684	3.87	16.06
1908										
January	7	422	13.60	337,766.440	337,766,440	10,895,691	440,500	14,209	3.28	16.39
February	7	443	15.28	356,081,000	356,081,000	12,278,655	463,750	15,991	3.39	15.88
March	7	405	13.06	326,434,680	326,434,680	10,530,151	423,800	13,671	2.97	16.38
April	7	391	13.03	317,456,040	317,456,040	10,581,868	396,330	13,211	1.54	15.83
May	7	402.50	12.98	328,496,960	328,496,960	10,596,676	391,950	12,643	3.03	16.09
June	7	406	13.53	328,800,560	328,800,560	10,960,019	387,300	12,910	.70	16.11
July	7	414.30	13.37	332,922,480	332,922,480	10,739,435	392,500	12,661	3.21	16.26
August	7	378	12.19	303,584,600	303,584,600	9,793,052	362,230	11,685	3.40	16.43
September	7	368.75	12.29	297,814,000	297,814,000	9,927,133	353,730	11,791	.64	16.42
October	7	384	12.39	307,378,280	307,378,280	9,915,428	381,125	12,294	3.16	14.09
November	1	60		16,735,800						
	2	66.50		19,130,100						
	7	299	14.18	239,455,440	275,321,340	9,177,378	417,650	13,921	.58	15.61
Total					3,842,170,340		4,835,065		29.77	
Daily Average			13.21			10,497,733		13,210		15.97

FRESH POND PUMPING STATION.

	Running Time.			Total.	Pumpage.	Daily Average Pumpage.	Total Coal Consumed.	Daily Average Coal Consumed.	Rainfall.	Average Height of Pond.
	Engine No.	Total.	Daily Average.							
1908		Hours	Hours.	Gallons.	Gallons.	Gallons.	Pounds.	Pounds.	Inches.	Feet.
April	7	391	13.03	317,456,040	317,456,040	10,581,868	396,330	13,211	1.54	15.83
May	7	402.50	12.98	328,496,960	328,496,960	10,596,676	391,950	12,643	3.03	16.09
June	7	406	13.53	328,800,560	328,800,560	10,960,019	387,300	12,910	.70	16.11
July	7	414.30	13.37	332,922,480	332,922,480	10,739,435	392,500	12,661	3.21	16.26
August	7	378	12.19	303,584,600	303,584,600	9,793,053	362,230	11,685	3.40	16.43
September	7	368 75	12.29	297,814,000	297,814,000	9,927,132	353,730	11,791	.64	16.42
October	7	384	12.39	307,378,280	307,378,280	9,915,428	381,125	12,294	3.16	14.09
November	1	60		16,735,800						
	2	66.50		19,130,100	275,321,340	9,177,378	417,650	13,921	.58	15.61
	7	299	14.18	239,455,440						
December	7	391	12.61	312,501,200	312,501,200	10,080,684	399,600	12,890	2.27	15.20
1909										
January	7	389.50	12.56	318,833,680	318,833,680	10,284,957	411,950	13,289	3.92	13.92
February	7	346.50	12.37	277,927,320	277,927,320	9,925,976	356,350	12,727	4.81	15.54
March	7	363	11.71	291,415,520	291,415,520	9,400,500	373,050	12,034	3.41	16.08
Total					3,692,451,980		4,623,765		30.67	
Daily average			12.77			10,116,307		12,673		15.63

OPERATING EXPENSES AT PUMPING STATION.

For year extending from December 1, 1907, to November 30, 1908:—

Building repairs	$104 63
Disinfectants	3 75
Electric work and supplies	30 43
Engine and boiler repairs and supplies	229 68
Expressage	8 90
Fence and lumber	21 20
Fuel	8,889 72
Hardware and tools	113 60
Ice	24 98
Oil, waste and packing	686 31
Plumbing	54 23
Rubber goods	7 59
Telephone	75 40
Sealing weights and measures	1 39
Stationery and printing	8 00
	$10,259 81
Salaries and labor	8,766 31
	$19,026 12

From April 1, 1908, to March 31, 1909:—

Advertising	$44 88
Building repairs	73 87
Cement	1 30
Electric work and supplies	15 42
Engines, boilers and repairs	651 31
Expressage	8 50
Fence	17 50
Fuel	9,003 76
Hardware, tools, etc.	131 73
Ice	24 98
Lumber	3 70
Disinfectants	3 75
Oil, waste and packing	668 42
Rubber goods and repairs	17 64

Telephone	60	90
Sealer of weights and measures	1	39
Stationery and printing	8	00
	$10,737	05
Salaries, labor, etc.	9,095	92
	$19,832	97

FORTY-INCH STEEL MAINS.

No repairs have been necessary this year on this line.

PAYSON PARK RESERVOIR.

The gate house and premises connected with the reservoir are in good condition.

No repairs are needed, although the banks should receive a good coat of dressing so soon as it can be arranged for.

PIPE YARD.

The repairs that have been necessary on the buildings at the pipe yard have been made by the help in the department.

LEAKAGE.

Three thousand five hundred thirty-seven (3,537) leaks have been stopped during the past sixteen months; they are reported as follows:

195 on supplies.
5 on four-inch mains.
5 on six-inch mains.
2 on eight-inch mains.
4 on twelve-inch mains.
2 on thirty-inch mains.
1 on concrete pipe line.

1 on hydrant.
5 on hydrant branches (six-inch).
16 on gates.
1 on blow off.
3,300 on premises, of which number thirty-two hundred ninety-two (3,292) were found by the inspectors while on the annual canvas of fixtures, and are classified as follows:
2,651 on water closets.
497 on faucets.
56 on basins.
39 on baths.
20 on wash tubs.
14 on tanks.
14 on pipes.
1 on sill cock.

The number of leaks caused by electrolytic corrosion during the past sixteen months has been less than one-half as great as last year, i. e., ten (10) only have been repaired, and the number is included in the account of leaks on supplies.

Total number of leaks during the past seven years, extending from December 1 to November 30:

1902	2,339
1903	2,281
1904	2,114
1905	2,191
1906	2,274
1907	2,999
1908	3,514

There were twenty-three (23) leaks from December 1, 1908, to March 31, 1909.

TABLE SHOWING DECREASE IN THE TOTAL CONSUMPTION FOR THE YEAR 1908 AS COMPARED WITH 1907.

	Total Consumption, 1908.	Total Consumption, 1907.	Increase.	Decrease.
	Gallons.	Gallons.	Gallons.	Gallons.
December	330,113,960	360,995,360		30,881,400
January	337,766,440	376,632,520		38,866,080
February	356,081,000	363,568,040		7,487,040
March	326,434,680	355,501,960		29,067,280
April	317,456,040	316,077,960	1,378,080	
May	328,496,960	335,079,800		6,582,840
June	328,800,560	324,537,840	4,262,720	
July	332,922,480	338,344,600		5,422,120
August	303,584,600	333,422,320		29,837,720
September	297,814,000	304,760,280		6,946,280
October	307,378,280	315,211,600		7,833,320
November	275,321,340	314,743,440		39,422,100
Total	3,842,170,340	4,038,875,720		196,705,380

	Total Consumption—Year Ending March 31, 1908.	Total Consumption—Year Ending March 31, 1909.	Increase.	Decrease.
	Gallons.	Gallons.	Gallons.	Gallons.
April	316,077,960	317,456,040	1,378,080	
May	335,079,800	328,496,960		6,582,840
June	324,537,840	328,800,560	4,262,720	
July	338,344,600	332,922,480		5,422,120
August	333,422,320	303,584,600		29,837,720
September	304,760,280	297,814,000		6,946,280
October	315,211,600	307,378,280		7,833,320
November	314,743,440	275,321,340		39,422,100
December	330,113,960	312,501,200		17,612,760
January	337,766,440	318,833,680		18,932,760
February	356,081,000	277,927,320		78,153,680
March	326,434,680	291,415,520		35,019,160
Total	3,932,573,920	3,692,451,980		240,121,940

MAIN PIPE.

The annual inspection of mains was made, as in previous years, with the usual care and oversight, and the water was blown off throughout the city at the time of inspection, as well as from time to time during the year as requests for clearer water came in from consumers.

Last year an arrangement was made with the National Water

Main Cleaning Company for cleaning the main in Austin Street, from Inman Street to Columbia Street.

This main is six inches in diameter and has been in use since 1873, and consequently was very badly tuberculated.

The cleaning of the eighteen hundred feet was done in a very thorough and expeditious manner, and although there was no means at hand of measuring the increased discharge due to the cleaning, yet from the amount of material removed it was very evident that a great improvement had been made, not only in the discharge but in the character of the water coming from this main.

We have long lines of old mains in the city that are ample in size, and, only for the fact that they have become badly tuberculated, would give good service for years to come. This leads to the conclusion that the best plan to pursue in regard to them would be to have certain lengths of the oldest ones cleaned each year.

In that way we can avoid the expense of renewals, and at the same time keep the mains in the best possible state of efficiency, not only for fire service but also for domestic use.

I would recommend that an appropriation be made for this purpose this year.

Main pipes were renewed as follows:

In Broadway, from Main Street to Third Street, to replace old eight-inch (8-inch) laid in 1871, and in Main Street, from Broadway, east, to replace old eight-inch (8-inch) laid in 1867.

I would recommend that the old four-inch (4-inch) pipes in Harding Street, Jefferson Street, Porter Street, Marion Street, and Warren Street be relaid this year with six-inch (6-inch) pipe.

This piping is old and the fire protection is not what it should be in so thickly settled a section as this has become.

MAIN PIPE LAID, NUMBER OF GATES AND FIRE HYDRANTS.

LOCATION.	Iron Pipe.		Gates.	Hydrants.
	Feet.	Size.	Size.	Kind.
		inch	inch	
Allston street	34	6		
Allston street			6	
Allston street	263	4		
Allston street			4	
Amherst street, corner Carleton street	8½	6		Chapman
Amherst street, corner Hayward street	8½	6		Chapman
Binney street, at Potter street			6	
Binney street, from Potter street to Sixth street.	597	6		
Binney street, midway between Potter street and Sixth street				Holyoke
Binney street, at Sixth street			6	
Brattle street, at Hubbard park	2	12		
Bridge street, near the new dam			4	
Broadway, from Main street to Third street	300	12		
Broadway, at Third street, south			12	
Broadway, at No. 12				Corey
Cambridge terrace	601			
Cambridge terrace			6	Chapman
Cambridge terrace			6	
Cedar place, from Cedar street	117	1¼		
Chilton street (blow off)	3	1½		
Clinton street				Chapman
Fifth street, from Binney street to Rogers street.	248	6		
Fifth street, at Binney street, north			6	
Frisbie place	2	4	4	
Fresh Pond lane, from Huron avenue	163	6		
Fresh Pond lane, at Huron avenue			6	
Holmes Field, near Hastings Hall	4	4	4	
Holmes Field (blow off)	4½	1½		
Holworthy place	69	4		
Hubbard park, from Brattle street, south	297½	6		
Hubbard park, at Brattle street, south			6	
Huron avenue, from Larch road to Fresh P'd lane	260	6		
Huron avenue, at Larch road, west			6	
Larch road (blow off)	3	1½		
Main street, from Broadway, east	499	12		
Main street, at Broadway, east			12	
Main street, on hydrants	12	6		
Manasses avenue, from Concord avenue	187½	6		
Manasses avenue, at Concord avenue			6	
Massachusetts avenue, at B. & M. Railr'd crossing				Chapman
Monroe street, between Second street and Third street	48	6		Chapman
Murray street, at Charles River road	12	4		
Stiles street	24	6		
Tudor street	190	2		
Warwick park, from Pemberton street	3	1½		
Warwick park (blow off)				
Wilson avenue (blow off)	26	6		
Windsor street, from State street, south			6	
Windsor street, at State street, south				

SUPPLIES.

There have been four hundred fifty-eight (458) supplies laid to date, as follows:

One hundred thirty-nine (139) in locations not previously supplied.

Two hundred ninety-five (295) renewed on application and for leakage, and

Twenty-four (24) renewed in locations where the main pipes were renewed, i. e., in Broadway, Cedar Place, Manasses Avenue, and Main Street.

Of the supplies laid in new locations, one hundred twenty-nine (129) were furnished with galvanized wrought iron pipe in sizes from three-quarter-inch (¾-inch) to two-inch (2-inch), and ten (10) with cast iron pipe, as follows:

6-inch for American Circular Loom Company, Clarendon Avenue (fire).

4-inch for Boston & Albany Railroad Company, Binney Street.

6-inch for Boston Confectionery Company, Main Street (fire).

6-inch for Boston Confectionery Company, State Street (fire).

4-inch for Charles River Basin Commission, Bridge Street.

6-inch for Peter Gray & Son, Third Street (fire).

4-inch for Hasty Pudding Club, Holyoke Street (fire).

4-inch for F. R. Henderson, 2225 Massachusetts Avenue.

4-inch for Newhall & Blevins, 83 Brattle Street.

4-inch for Riverside Boiler Works, Harvard Street (fire).

One hundred seventy-two (172) service boxes have been set on supplies not previously furnished, or to replace those broken or otherwise useless.

The annual inspection of service boxes has been made and, where necessary, as discovered by inspectors or reported by police, they have been raised or lowered as conditions required to conform to sidewalk grades.

There have been fifteen thousand three hundred thirty-six (15,336) supplies laid to date, March 31, 1909.

The Water Board furnishes water for fire protection free of cost to its customers having a local plant, the owner being obliged to make application in writing, agreeing to comply with the rules and regulations governing the introduction and use of such supplies and paying for the installation of supply pipes and gates.

Following is the list of manufactories, etc., which receive fire protection from the Cambridge Water Works:

Allen & Endicott Building Co.	Osborn street	6-in.
American Rubber Co.	Binney Street	Two 6-in.
American Circular Loom Co.	Clarendon Avenue	6-in.
American Net & Twine Co.	Third Street	Two 6-in.
American Net & Twine Co.	Third Street	8-in.
American Vulcanized Fibre Co.	Tannery Street	2-in.
Barber Asphalt Paving Co.	First Street	6-in.
Bay State Metal Works	Harvard Street	6-in.
Bell Confectionery Co., J. S.	Sixth Street	6-in.
Blacker & Shepard Co.	Osborn Street	2-in.
The Blake & Knowles Steam Pump Works	Binney Street	8-in.
The Blake & Knowles Steam Pump Works	Third Street	4-in.
Blanchard Machine Co.	State Street	6-in.
Boston Book Binding Co.	Mount Auburn Street	6-in.
Boston Book Binding Co.	Mount Auburn Street	4-in.
Boston Confectionery Co.	Hampshire Street	4-in.
Boston Confectionery Co.	Hampshire Street	6-in.
Boston Confectionery Co.	Main Street	6-in.
Boston Confectionery Co.	State Street	6-in.
Boston Elevated Railway Co.	Baldwin Street	2-in.
Boston Elevated Railway Co.	Baldwin Street	4-in.
Boston Elevated Railway Co.	Cambridge Street	Two 2-in.
Boston Elevated Railway Co.	Pelham Street	Three 4-in.
Boston Elevated Railway Co.	Massachusetts Avenue	4-in.
Boston Elevated Railway Co.	Mount Auburn Street	4-in.
Boston Elevated Railway Co.	Mount Auburn Street	2-in.
Boston Elevated Railway Co.	Murray Street	4-in.
Boston Elevated Railway Co.	River Street	4-in.
Boston & Maine Railroad	Bridge Street	4-in.
Boston & Maine Railroad	Bridge Street	6-in.
Boston & Maine Railroad	East Street	6-in.
Boston & Maine Railroad	Prison Point Street	4-in.
Boston Woven Hose & Rubber Co.	Portland Street	Two 8-in.
Cambridge Gas Light Co.	Third Street	6-in.
Cambridge Electric Light Co.	Western Avenue	6-in.
Cambridge Mutual Fire Insurance Company	Massachusetts Avenue	2-in.
Charles River Basin Commission	Bridge Street	4-in.
Chelmsford Foundry Co.	Portland Street	2-in.
Commonwealth Laundering Co.	348 Franklin Street	4-in.
Dover Stamping & Manufacturing Co.	Pleasant Street	6-in.
Dow, John C., Co.	220 Portland Street	2-in.
E. & R. Laundry Co.	Massachusetts Avenue	6-in.
Ginn & Co.	First Street	Two 6-in.
Ginn & Co.	Athenæum Street	8-in.
Goepper Brothers	Ninth Street	1½-in.
Gray, Peter & Son	Third Street	6-in.
Harvard University	Harvard Union Club, Harvard Street	4-in.
Harvard University	Langdell Hall	4-in.
Harvard University	Memorial Hall, Cambridge Street	4-in.
Harvard University	Observatory, Concord Avenue	6-in.

Harvard University	Semitic Museum, Divinity Avenue	4-in.
Hasty Pudding Club	Holyoke Street	4-in.
Hews Co., A. H.	Crescent Avenue	Two 4-in
Holy Ghost Hospital for Incurables	Cambridge Street and Hovey Avenue	3-in.
Houghton, Mifflin & Co.	Albro Street and Blackstone Street	6-in.
Houghton, Mifflin & Co.	River Street	6-in.
Irving & Casson	Otis Street	6-in.
Irving & Casson	Thorndike Street	Two 6-in.
Irving & Casson	Thorndike Street	2-in.
Ivers & Pond Piano Co.	Albany Street	4-in.
Ivers & Pond Piano Co.	Albany Street	6-in.
Keeler & Co.	Thorndike Street	1-in.
Kendall & Sons, Edward	Main Street	2-in.
Lamb & Ritchie	Albany Street	6-in.
Lever Bros.	Broadway	6-in.
Lever Bros.	Broadway	8-in.
Little, Brown & Co.	Putnam Avenue	6-in.
Luke, E. H., Estate of	Main Street	2-in.
Mason & Hamlin Co.	Broadway	Two 6-in.
McLean, Isaac	Mount Auburn Street	4-in.
McLean, Isaac	Massachusetts Avenue	4-in.
Metropolitan Storage Warehouse Co.	Massachusetts Avenue	6-in.
Middlesex County House of Correction	Second Street and Spring Street	6-in.
National Biscuit Co.	Franklin Street	4-in.
National Biscuit Co.	Franklin Street	6-in.
National Biscuit Co.	Green Street	8-in.
National Casket Co.	First Street	6-in.
National Linseed Oil Co.	Fifth Street	6-in.
North Packing & Provision Co.	Windsor Street	6-in.
O'Brien, Rev. John	Seventh Street	4-in.
Page Box Co., George G.	Hampshire Street	Two 6-in.
Petterson, Oscar G.	483 Main Street	4-in.
Pierce, Estate of Thomas, Trustees of	Broadway	6-in.
Pierce, Estate of Thomas, Trustees of	Broadway	4-in.
Pi Eta Club	Winthrop Street	2-in.
Porter, Henry S.	Kinnaird Street	4-in.
Porter, Henry S.	Kinnaird Street	6-in.
Reardon & Sons, Corp., John	Waverley Street	4-in.
Revere Sugar Refinery	Water Street	6-in.
Reversible Collar Co.	Putnam Avenue	6-in.
Riverside Boiler Works	Harvard Street	4-in.
Russell, Estate of Joseph G.	Pacific Street	6-in.
Russell, Lucy J.	29 Elm Street	1½-in.
Sawyer & Son, Howard M.	Thorndike Street	4-in.
Sawyer & Son, Howard M.	Thorndike Street	6-in.
Sawyer & Son, Howard M.	Second Street	6-in.
Seaverns Piano Action Company, George W.	Sidney Street	8-in.
Seelye Manufacturing Co.	First Street	4-in.
Sherburne, Estate of Reuben	Third Street	6-in.
Simplex Electrical Co.	Auburn Street	3-in.
Simplex Electrical Co.	Auburn Street	6-in.
Simplex Electrical Co.	Franklin Street	8-in.
Simplex Electrical Co.	Pilgrim Street	4-in.

Snow, M. Josephine	Massachusetts Avenue and Lee Street	Two 2-in.
Speare's Sons & Co., Alden	Rogers Street	4-in.
Speare's Sons & Co., Alden	Sixth Street	4-in.
Standard Oil Co.	Potter Street	6-in.
Standard Turning Works	Main Street	2-in.
Swan, Daniel A.	61 Broadway	2-in.
Thayer & Co., Henry	Broadway	6-in.
Tower & Son, Sylvester	Broadway	4-in.
University Associates	Bow Street, garage	6-in.
University Associates	Linden Street	4-in.
University Associates	Massachusetts Avenue	6-in.
University Press	Nutting Place	6-in.
Ward, Corby Co.	Albany Street	6-in.
Warren Brothers & Co.	Potter Street	6-in.
Wetmore, Charles D.	Claverly Hall, on Mount Auburn Street	4-in.
Whittemore Brothers & Co.	Albany Street	4-in.

SUPPLIES LAID DURING PAST TEN YEARS.

Year.	New Supplies.	SUPPLIES RESERVED.			Total Supplies Laid.	Supplies Furnished with Sidewalk Service Boxes.
		Application and Leakage.	Attending Main Pipe Removal.	Total Supplies Reserved.		
1899	308	132	208	576	648	299
1900	158	129	...	340	287	103
1901	201	136	155	129	492	1.9
1902	161	110	167	291	438	51
1903	123	174	163	277	460	42
1904	111	190	87	337	388	39
1905	130	176	117	277	423	177
1906	129	230	15	293	374	113
1907	135	197	18	245	350	19
1908	110	267	24	291	401	160**
1909	29	28	...	28	57	12*

** For year ending November 30, 1908.

* For four months ending March 31, 1909.

DRINKING FOUNTAINS.

There are twenty-eight (28) fountains in use at this date, March 31, 1909; of these, six (6) are ice water drinking fountains.

The fountain which for so many years was located in Central Square, on the west side, has been permanently removed.

A small drinking fountain has been set at the Esplanade, Charles River Road, near Massachusetts Avenue.

In accordance with the Acts of the Legislature of 1902 and the request of the Cattle Bureau of State Board of Agriculture, the fountains have been inspected from time to time and carefully cleaned.

The repairs have been made and they now are reported in first-class condition.

The cost of supplying ice for the ice water drinking fountains for the past five (5) years is as follows:—

Locations	1904.	1905.	1906.	1907.	1908.
Cambridge field				$102.37	$89.49
Cambridge Street at Third Street	$145.50	$125.55	$180.95	110.50	127.00
Central Square	112.50	129.90	175.35	127.13	134.38
Harvard Square	105.60	103.43	166.69	110.50	127.87
Massachusetts Avenue at Blake Street	96.75	155.30	157.25	102.74	111.50
Massachusetts Avenue at Cedar Street			115.40	102.25	115.75
	$460.35	$514.18	$795.64	$655.49	$705.99
Average cost per day for each fountain	1.20	.94	1.57	1.09	1.04

The excessive cost in 1906 was due to the increased prices of ice, which were twenty-five (25) cents, afterwards forty (40) cents, per one hundred (100) pounds; whereas in previous years, as well as in the following years, the prices have been twelve and one-half (12½) cents and fifteen (15) cents per one hundred (100) pounds.

STREET WATERING STANDPIPES.

There are seventy-two (72) street watering standpipes now in use, no additions having been made during the past sixteen months.

At the request of the owners of the property on Hancock Street, the street watering standpipe has been moved from that location and set on Centre Street at property owned by the city, the site formerly occupied by Dana schoolhouse.

All the standpipes have been examined and new long threaded nipples put in between the upper valves and elbows and all valves examined and replaced where necessary.

In addition to these changes, thirty-seven (37) standpipes have been repaired and the cost charged to the Street Watering Department, as in previous years.

GATES.

Thirty-two (32) new gates have been set during the past sixteen months.

Seventeen (17) have been set on main pipe, extensions, etc.

Twelve (12) have been set on new supplies.

Three (3) have been set in place of old ones removed from the following locations:—

Magazine Street and Fairmont Street.
Magazine Street and Magazine Court.
Walnut Avenue and Arlington Street.

The sizes and locations of new gates set on extensions and renewals of main pipe will be found on page 773.

The gates in all parts of the city have been carefully inspected, and in twenty-six (26) locations repaired.

BOXES.

One hundred thirty-three (133) boxes have been placed during the past sixteen months.

18 iron boxes have been placed on new supplies,
68 iron boxes have been placed to replace old boxes removed, and
16 iron boxes have been placed on new mains.
2 small wooden boxes have been placed on supplies,
1 small wooden box has been placed to replace old box removed, and
5 small wooden boxes have been placed on new mains.
1 hydrant box has been set to replace old.
14 concrete boxes have been placed for meters,
3 Merrill boxes have been placed for meters, and
5 wooden (special) boxes have been placed for meters.

HYDRANTS.

Eight (8) hydrants have been set during the year; four (4) in new locations, and four (4) to replace those broken by teams.

The locations and kinds of hydrants set will be found elsewhere herein.

Post hydrants were removed as follows:—

At No. 12 Broadway (Old Boston).
Clinton Street (Old Boston).
Massachusetts Avenue at Boston & Maine crossing (Chapman).
Murray Street at Charles River Road (Chapman).

Seven hydrants have been relocated to conform to new street lines, etc., and twenty (20) have been repaired.

The total number of hydrants in use at this date, March 31, 1909, is one thousand fifty-six (1,056), classified as follows:—

Boston	154
Chapman	593
Coffin	42
Corey	1
Flush	84
Holyoke	91
Perkins	91
	1,056

METERS.

The following table shows the number of meters which have been installed the past sixteen (16) months in locations which were not covered by meters on November 30, 1907:—

	4 inch.	3 inch.	2 inch	1½ inch.	1 inch.	¾ inch.	⅝ inch.	Total.
Crest		1	3	3				7
Crown						1		1
Hersey			1	1	1	7	15	25
Keystone					5	40	156	201
Lambert							3	3
Thomson						2		2
Trident		1	1	1	1	7	32	43
Union Rotary	1							1
Worthington				1	18	93	295	407
Total	1	2	5	6	25	150	501	690

Of the foregoing meters, seventy-nine (79) were installed on premises where there was great waste of water caused by leakage, and on houses used as boarding houses, etc. These are charged to our "Compulsory Meter Account"; the number, size and kind are as follows:—

	1½ inch.	1 inch.	¾ inch.	⅝ inch.	Total.
Crests	2				2
Herseys			2	1	3
Keystone				1	1
Trident			1	11	12
Worthington		7	11	43	61
Total	2	7	14	56	79

For the year extending from January 1, 1908, to January 1, 1909, there were four hundred seventy-two (472) meters removed; these meters were stuck or otherwise out of order and not registering or covering unoccupied premises. Four hundred twenty-five (425) were replaced.

From January 1, 1909, to April 1, 1909, there were fifty-nine (59) meters removed from causes above stated.

There are forty-seven (47) meters in public buildings for which the Department receives no income. These meters were set to determine the amount of water used by the city in schoolhouses, engine houses, police stations, etc.; the kinds, sizes and numbers are as follows:—

	2 inch.	1½ inch.	1 inch.	¾ inch.	⅝ inch.	Total.
Crown	1	1	2	1	1	6
Hersey			6	7		13
Trident			10	1	3	14
Thomson		1				1
Union Rotary	1					1
Worthington		1	7	7	3	12
Total	2	3	25	10	7	47

Number of meters in use at this date, March 31, 1909, is thirty-nine hundred seventy-eight (3,978).

They are located on manufactories, domestic supplies, churches, etc.

All meters are owned by the city and set at its expense.

	6 inch.	4 inch.	3 inch.	2 inch.	1½ inch.	1 inch.	¾ inch.	⅝ inch.	Total.
Crest		3	4	10	5				22
Crown		2		6	4	6	15	6	39
Empire						2			2
Gem	1								1
Hersey	1	1	4	24	18	112	275	740	1,175
Keystone					1	6	39	214	260
Lambert						7	28	109	144
Nash								12	12
Thomson					1		6	1	8
Torrent				2					2
Trident			3	13	20	97	249	402	784
Union Rotary		8	10	17	10	2	10	6	63
Worthington		2	4	21	20	92	258	1,069	1,466
Total	2	16	25	93	79	324	880	2,559	3,978

TUNNELS UNDER BROAD CANAL.

These tunnels have been pumped out twice the past year, and from present indications are becoming more water-proof each year.

STONY BROOK CONDUIT.

As recommended by the Water Board last year, the work of relocating the thirty-inch conduit in Waltham was undertaken this year, and a new pipe from near River Street, in Waltham, to a point in the yard of the Boston Manufacturing Company, a distance of about fifteen hundred feet, was laid, according to surveys and plans prepared by the City Engineer, thereby doing away with the summit at Jackson Street.

The gate and air valve formerly at Jackson Street were removed from the old line and reset on the new line. This change has resulted in a uniform flow through the conduit, as all points in the line are now below the hydraulic mean gradient.

This work has required the shutting off of the water from Fresh Pond from September 24th to October 12th.

The work of changing the sewers at East Watertown, where they crossed the sixty-three-inch conduit, which has been under consideration for several years past, was made possible this year by an agreement with the Selectmen of Watertown, and in accordance with plans drawn by the City Engineer of Cambridge, approved by the Engineer of Watertown.

Under this agreement the City of Cambridge was to furnish all stock and tools, and Watertown was to furnish the labor at the expense of the Water Board. The work has been completed.

The water was shut off from the new conduit from November 30th, 1908, to January 19th, 1909, during which time the water was supplied through the old thirty-inch line.

A new hook gauge has been placed in the gate house at Fresh Pond for the more accurate measurement of this flow of water through the conduit.

STONY BROOK.

The floor in the gate house, which had become rotten and in a dangerous condition, has been replaced with a new floor. This work has been done by the keeper without expense other than for the material used.

The bridge leading to the gate house should have a new floor this year.

The cesspools and vaults have received the usual care, and one cesspool has been added, and one vault rebuilt during the past year, making the number now in use thirty-five cesspools and eighteen vaults.

The work of the extermination of the Brown Tail and Gypsy moths on the city land about this basin has been in years past greater than should be, on account of the adjoining land being covered with a dense undergrowth.

The past winter a large part of the city's land adjoining the basin on the north side has been cleared of brush by the keeper, and the wood on the neighboring land has been cut, so that we may hope for less trouble from this source.

The number of loads taken from cesspools and vaults the past year has been 903. As this quantity is increasing each year, and the places for disinfecting the material are getting more and more difficult to find, it would seem as though the purchase of land and the establishment of a dump of our own is a pressing need.

TABLE SHOWING NUMBER OF GALLONS, BY THE MONTH, FLOWING OVER THE WASTE-WAY AT STONY BROOK BASIN.

	Gallons.	Number of Days.	Rainfall.
1907			
December	452,800,000	31	3.84
1908			
January	598.700,000	31	3.53
February	630,800,000	29	4.83
March	1,010,600,000	31	3.66
April	462,800,000	30	1.48
May	200,900,000	27	4.28
June	27,700,000	5	1.25
July			3.56
August			3.97
September			.87
October			2.61
November			1.05
Total amount wasted	3,384,300,000		
Total number of days in which water wasted		184	
Total rainfall			34.93

AND FOR THE YEAR EXTENDING FROM APRIL 1, 1908, TO MARCH 31, 1909, THE NUMBER OF GALLONS WASTED WAS AS FOLLOWS:

	Gallons.	Number of Days.	Rainfall.
1908			
April	462,800,000	30	1.48
May	200,900,000	27	4.28
June	27,700,000	5	1.25
July			3.56
August			3.97
September			.87
October			2.61
November			1.05
December			2.50
1909			
January			4.21
February	474,900,000	19	5.14
March	485,900,000	31	3.95
Total amount wasted	1,652,200,000		
Total number of days in which water wasted		112	
Total rainfall			34.87

HOBBS BROOK.

The past year has taxed the capacity of this basin severely, with a rainfall of about fourteen inches less than the average. The demand on this storage has been greater than ever before. In consequence the water has been drawn down to the lowest point since the construction of the basin, reaching on February 6, 1909, grade 168.50, or twelve and one-half feet (12½ feet) below the overflow.

The buildings at the keeper's house are in good condition and will need few repairs this year.

The standing grass not needed by the Department has been sold as usual.

The bushes have been cut and the grounds kept in good order.

The ditches through the meadows should be cleaned this year.

HOBBS BROOK. Lincoln Street Basin No. 1.			HOBBS BROOK. Winter Street Basin No. 2.			REMARKS.	STONY BROOK.		
	Lowest el'vation during month.	Highest el'vation during month	Monthly Rainfall.		Lowest el'vation during month.	Highest el'vation during month.			Lowest el'vation during month.	Highest el'vation during month.	Monthly Rainfall.
1907				**1907**				**1907**			
Dec. 10..	180.65	.....	.....	Dec. 1..	176.90	.....		Dec. 23..	81.13	.....	.....
Dec. 24..	.....	181.00	2.94	Dec. 31..	.....	179.20		Dec. 25..	.....	81.52	3.84
1908				**1908**				**1908**			
Jan. 7..	180.70	.....	.....	Jan. 1..	179.30	.....		Jan. 6..	81.18	.....	.....
Jan. 31..	.....	181.25	2.95	Jan. 31..	.....	181.25		Jan. 14..	.....	81.67	3.53
Feb. 1..	181.25	.....	.....	Feb. 1..	181.25	.....		Feb. 13..	81.06	.....	.....
Feb. 16..	.....	181.60	2.72	Feb. 16..	.....	181.60		Feb. 16..	.....	81.96	4.83
Mar. 19..	.....	181.55	.....	Mar. 19..	.....	181.55		Mar. 7..	81.42	.....	.....
Mar. 29..	181.40	.....	2.67	Mar. 29..	181.40	.....		Mar. 20..	.....	81.70	3.66
Apr. 1..	.....	181.40	.....	Apr. 1..	.....	181.40		Apr. 1..	.....	81.50	.....
Apr. 30..	181.25	.....	1.40	Apr. 30..	181.25	.....		Apr. 30..	81.10	.....	1.48
May 8..	.....	181.45	.....	May 8..	.....	181.40		May 9..	.....	81.46	.....
May 30..	181.20	.....	4.10	May 30..	181.20	.....		May 30..	80.75	.....	4.28
June 1..	.....	181.35	.....	June 1..	.....	181.35	June 10. Removed first flashboard.	June 1..	.....	81.25	.....
June 30..	180.50	.....	1.55	June 30..	179.90	.....	June 11. Removed second flashboard.	June 19..	79.92	.....	1.25
							June 15. Removed third flashboard.				
							June 19. Removed fourth flashboard.				
							June 22. Removed fifth flashboard.				
							June 25. Removed sixth flashboard.				
							June 27. Removed seventh flashboard.				
July 1..	.....	180.50	.....	July 1..	.....	179.85	July 3. Removed eighth flashboard.	July 4..	79.92	.....	.....
July 25..	180.00	.....	4.17	July 31..	177.75	.....	July 4. Removed ninth flashboard.	July 30..	.....	80.54	3.56
							July 5. Removed tenth flashboard.				
							July 10. Removed eleventh flashboard.				
							July 11. Removed twelfth flashboard.				
							July 14. Opened gate.				
Aug. 17..	.....	180.25	.....	Aug. 1..	.....	177.70		Aug. 6..	.....	80.60	.....
Aug. 31..	180.00	.....	4.55	Aug. 31..	176.00	.....		Aug. 23..	79.66	.....	3.97
Sept. 1..	.....	180.00	.....	Sept. ..	.....	175.90	Sept. 25. Closed gate.	Sept. 22..	79.96	.....	.....
Sept. 28..	179.40	.....	.90	Sept. ..	173.95	.....	Sept. 26. Set twelve flashboards.	Sept. 29..	.....	80.62	.87

HOBBS BROOK.							REMARKS.	STONY BROOK.			
Lincoln Street Basin No. 1.			Monthly Rainfall.	Winter Street Basin No. 2.							Monthly Rainfall.
	Lowest el'vation during month.	Highest el'vation during month.			Lowest el'vation during month.	Highest el'vation during month.			Lowest el'vation during month.	Highest el'vation during month.	
1908				**1908**				**1908**			
Oct. 26..	179.25	.....	.....	Oct. 1..	.....	174.00	Oct. 13. Opened gate.	Oct. 1..	80.60	.....	.....
Oct. 31..	.....	179.50	2.75	Oct. 30..	172.50	.....		Oct. 14..	.....	79 96	2.61
Nov. 1..	179.50	.....	.....	Nov. 1..	.....	172.45		Nov. 21..	79.84	.....	.....
Nov. 30..	.....	179.60	.80	Nov. 30..	169.90	.....		Nov. 30..	.....	80.60	1.05
.....	.....	.....	31.50	.....	.....	.....		.....	.....	.....	34.93
Dec. 1..	179.60	.....	.....	Dec. 1..	.....	169.90		Dec. 8..	.....	80.71	.....
Dec. 31..	.....	179.95	2.50	Dec. 31..	169.15	.....		Dec. 27..	79.75	.....	2.50
1909				**1909**				**1909**			
Jan. 1..	179.95	.....	.....	Jan. 17..	.....	169.50		Jan. 8..	.....	80.81	.....
Jan. 31..	.....	180.60	3.85	Jan. 31..	169.00	.....		Jan. 23..	79.52	.....	4.21
Feb. 4..	180.55	.....	.....	Feb. 6..	168.50	.....	Feb. 7. Closed gate.	Feb. 5..	79.33	.....	.....
Feb. 25..	.....	181.25	5.05	Feb. 28..	.....	171.85		Feb. 25..	.....	82.12	5.14
Mar. 25..	180 55	.....	.....	Mar. 1..	171.95	.....		Mar. 24..	81.10	.....	.....
Mar. 26..	.....	181.05	3.15	Mar. 31..	.....	173.90		Mar. 27..	.....	81.62	3.95

NEW SUPPLIES LAID DURING PAST SIXTEEN MONTHS.

	12 inch.	8 inch.	6 inch.	4 inch.	3 inch.	2 inch.	1½ inch.	1¼ inch.	1 inch.	¾ inch.	
Length in feet of cast iron pipe	4	1½	120½	391½	.....	.....	.....	.....	.....	.....	517½
Length in feet of galvanized pipe	.....	.....	10	34	6	1498	33½	284½	2208½	2082½	6157
Number of new supplies	.....	.....	4	6	.....	9	1	6	56	57	139
Number of stop and waste valves	.....	.....	2	1	2	8	1	5	56	53	128
Number of screw cocks	.....	.....	.....	.....	.....	2	1	10	57	56	126
Number of sidewalk cocks	.....	.....	.....	.....	.....	.....	.....	4	58	57	119
Number of service boxes	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	120
Number of gates	.....	.....	4	7	.....	1	.....	.....	.....	.....	12
Number of gate boxes	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	18
Number of wooden gate boxes	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2

SUPPLIES, ETC., RENEWED DURING PAST SIXTEEN MONTHS.

	6 inch.	4 inch.	2 inch.	1½ inch.	1¼ inch.	1 inch.	¾ inch.	Total.
Length in feet of pipe	13	2	76½	29	320½	1327½	7544	9312½
Number of supplies renewed	1	.....	2	1	9	41	241	295
Number of stop and waste valves	.....	.....	.....	2	56	27	122	207
Number of screw cocks	.....	.....	1	.....	5	18	44	68
Number of sidewalk cocks	.....	.....	.....	.....	5	26	140	171
Number of service boxes	.....	.....	.....	.....	.....	.....	.....	172
Number of gate boxes	.....	.....	.....	.....	.....	.....	.....	68
Number of small wooden boxes	.....	.....	.....	.....	.....	.....	.....	1
Number of hydrant boxes (meter)	.....	.....	.....	.....	.....	.....	.....	1

MAIN PIPE, ETC., LAID DURING PAST SIXTEEN MONTHS.

	12 inch.	6 inch.	4 inch.	2 inch.	1½ inch.	1¼ inch.	Total.
Length in feet of pipe (extensions)	.....	2498	367	190	13½	.....	3068½
Length in feet of pipe (renewals)	801	.....	.....	.....	.....	117	918
Total length in feet	801	2498	367	190	13½	117	3986½
Number of gates	2	11	4	.....	.....	.....	17
Number of hydrants	.....	.....	.....	.....	.....	.....	8
Number of iron gate boxes	.....	.....	.....	.....	.....	.....	16
Number of small wooden boxes	.....	.....	.....	.....	.....	.....	5
Number of hydrant boxes	.....	.....	.....	.....	.....	.....	2
Number of Merrill boxes on meters	.....	.....	.....	.....	.....	.....	1
Number of concrete boxes on meters	.....	.....	.....	.....	.....	.....	11
Number of blow-offs	.....	.....	.....	.....	.....	.....	5

COMPARATIVE TRENCHING FOR THE PAST THREE YEARS

	MAIN PIPE.		SUPPLIES.		Total.	Miles.
	Extensions.	Renewals.	New.	Renewals.		
1906	7,443	1,357	4,835	8,716	22,351	4.23
1907	4,377	1,964	5,433	6,461	18,235	3.45
1908	2,877	918	5,730	8,361	17,886	3.38
*1909	3,068½	918	6,674½	9,312½	19,973½	3.80

*For the past sixteen months extending from December 1, 1907 to March 31, 1909.

SUMMARY OF STATISTICS

In form recommended by the New England Water Works Association.

CAMBRIDGE WATER WORKS,

Cambridge, Middlesex County, Massachusetts.

GENERAL STATISTICS.

Population by census of 1900—91,886.
Estimated population November, 1908—100,000.
Cambridge Water Works Corporation organized in 1853.
Works constructed 1855.
The works came into possession of the city by purchase in 1865.
Original source of supply—Fresh Pond in Cambridge.

In 1887 a supply of water was entered into Fresh Pond from Stony Brook Reservoir, which had been constructed in Waltham and Weston, by means of a thirty-inch cast-iron pipe. This was laid through Waltham and Watertown. The population of the city was about 60,000.

In 1897 an additional provision was made by the construction of two storage reservoirs on Hobbs Brook—a tributary of Stony Brook, the thirty-inch line conducting the waters of the reservoirs of both brooks. The population at this time was about 87,500.

At date, March 31, 1909, the supply from the Hobbs Brook Reservoir and Stony Brook Reservoir is brought to Fresh Pond Receiving Reservoir through the conduit, a part of which was built in 1905 and 1906, of concrete sixty-three inches (63 inches) in diameter. Another part was rebuilt in 1908 by replacing with a new thirty-inch cast-iron main the old thirty-inch.

This conduit is constructed as follows:—

From Fresh Pond to River Street,
Waltham . . . . 27,405 ft. of 63-inch concrete

From River Street . . . 1,500 ft. of 30-inch new
to . . . . . 6,023 ft. of 30-inch old
Stony Brook Dam . 4,826 ft. of 36-inch old

Mode of supply—gravity from Hobbs Brook and Stony Brook Reservoirs to Fresh Pond, pumping from Fresh Pond to Payson Park Reservoir, thence by gravity to consumers.

PUMPING STATISTICS.

1. Builders of pumping machinery—one Leavitt built by Groshon High Duty Pumping Engine Company, of 20,000,000 gallons capacity; two Worthington, each of 5,000,000 gallons capacity; and one Blake, of 2,250,000 gallons capacity.

2. Description of fuel used—
   a. Kind—bituminous.
   b. Brand of coal—Orenda and Quemahoning.
   c. Price of coal per gross ton delivered from December 1, 1907, to November 30, 1908—1,000 tons "Orenda" at $3.88; 1,000 tons "Quemahoning" at $3.79.

For the year extending from December 1, 1907, to November 30, 1908:—

3. Coal consumed for the year—4,835,065 pounds.

4. (Pounds of wood consumed) divided by 3 equals equivalent amount of coal, 500 pounds.

5. Total equivalent coal consumed for the year for pumping purposes—4,835,565 pounds.

6. Total pumpage for the year without allowance for slip—3,842,170,340 gallons.

7. Average static head against which pump works—157.53 feet.

8. Average dynamic head against which pump works—189.31 feet.

9. Number of gallons pumped per pound of equivalent coal—795.

10.

$$\text{Duty} = \frac{\text{3,842,170,340 gallons pumped x 8 34 (lbs) x 100 x dynamic head. 189.31}}{\text{Total fuel consumed, 4,835,565 pounds.}} = 125,449,518$$

Cost of pumping figured on pumping station expenses, viz.:—$19,026.12.

11. Per million gallons pumped—$4.96.

12. Per million gallons raised one foot (dynamic)—$.026.

For the year extending from April 1, 1908, to March 31, 1909:—

3. Coal consumed for the year—4,623,765 pounds.

4. (Pounds of wood consumed) divided by 3 equals equivalent amount of coal, 500 pounds.

5. Total equivalent coal consumed for the year for pumping purposes—4,624,265 pounds.

6. Total pumpage for the year without allowance for slip—3,692,451,980 gallons.

7. Average static head against which pump works—158.32 feet.

8. Average dynamic head against which pump works—189.98 feet.

9. Number of gallons pumped per pound of equivalent coal—798.

10.

$$\text{Duty} = \frac{\text{3,692,451,980 gallons pumped x 8.34 (lbs) x 100 x dynamic head. 189.98}}{\text{Total fuel consumed, 4,624,265 pounds.}} = 126{,}516{,}182$$

Cost of pumping figured on pumping station expenses, viz.:—$19,832.97.

11. Per million gallons pumped—$5.37.

12. Per million gallons raised one foot (dynamic)—$.028.

FINANCIAL STATISTICS.

For the year extending from December 1, 1907, to November 30, 1908:—

EXPENDITURES.

Total Maintenance:—		
General expenses	$26,857 60	$26,857 60
Supply expenses	2,514 25	
Salaries	11,901 52	11,901 52
Salaries, pumping	8,766 31	8,766 31
Pumping, general expenses	10,259 81	10,259 81
Payson Park Reservoir	805 08	805 08
Fresh Pond Reservoir, general	7,056 98	7,056 98
Fresh Pond Reservoir, grading	7,359 50	
Fresh Pond Reservoir, sanitary	2,311 00	
Hobbs Brook Reservoir	1,372 20	1,372 20
Meters	3,126 20	

Stony Brook Reservoir	2,668 91	2,668 91
Ice for fountains	760 75	
City Treasurer and City Solicitor	2,500 00	2,500 00
Interest on bonds	152,367 75	
Sinking fund	122,538 00	
Serial bond paid	12,500 00	
Refunds and abatements	4,108 67	
	$379,774 53	$72,188 41

Construction:—

General	$14,828 83	
Hobbs Brook conduit	6,728 38	
Hobbs Brook conduit extension	13,050 64	
Meters	5,164 44	
Meters, compulsory	998 95	
		$40,771 24

Total Maintenance:—

General expenses	$24,675 72	$24,675 72
Supply expenses	2,756 76	
Salaries	12,105 15	12,105 15
Salaries, pumping	10,737 05	10,737 05
Pumping, general expenses	9,095 92	9,095 92
Payson Park Reservoir	810 33	810 33
Fresh Pond Reservoir, general	7,313 27	7,313 27
Fresh Pond Reservoir, grading	8,000 00	
Fresh Pond, sanitary	371 68	
Hobbs Brook Reservoir	1,344 66	1,344 66
Meters	5,453 27	
Stony Brook Reservoir	2,774 10	2,774 10
Ice for fountains	726 48	
City Treasurer and City Solicitor	2,500 00	2,500 00
Interest on bonds	148,387 75	
Sinking fund	122,538 00	
Serial bond paid	12,500 00	
Refunds and abatements	4,381 11	
	$376,471 25	$71,356 20

Construction:—

General	$15,923 87	
Hobbs Brook conduit	7,843 32	
Hobbs Brook extension	18,248 89	
Meters	2,333 01	
Meters, compulsory	985 45	
		$45,334 54

For the sixteen months ending March 31, 1909:—

RECEIPTS.

Water rates	$413,321 16	
Supply and repairs	5,741 36	
Off and on and seals	775 50	
Rents	192 00	
Miscellaneous	696 03	
Construction account	6,419 81	
		$427,145 86
Cost of works to date		$6,475,007 22
Bonded debt at date		3,774,100 00
Value of sinking fund at date		1,704,648 77
Average rate of interest		3½ and 4 per cent.

STATISTICS OF CONSUMPTION OF WATER.

For the year extending from December 1, 1907, to November 30, 1908:—

1. Estimated total population at date—100,000.
2. Estimated population on lines of pipe—100,000.
3. Estimated population supplied—100,000.
4. Total pumpage for year—3,842,170,340 gallons.
5. Passed through meters—1,398,448,500 gallons.
6. Percentage of consumption metered—38 per centum.
7. Average daily consumption—10,497,733 gallons.
8. Gallons per day to each inhabitant—104.
9. Gallons per day to each consumer—104.
10. Gallons per day to each tap—621.
11. Cost of supplying water, per million gallons pumped, figured on total maintenance operating expenses—$18.79.

12. Total cost of supplying water, per million gallons pumped, figured on total maintenance and interest on bonds—$62.63.

For year extending from April 1, 1908, to March 31, 1909:—

1. Estimated total population at date—100,000.
2. Estimated population on lines of pipe—100,000.
3. Estimated population supplied—100,000.
4. Total pumpage for year—3,692,451,980 gallons.
5. Passed through meters—1,403,131,000 gallons.
6. Percentage of consumption metered—38 per centum.
7. Average daily consumption—10,116,307 gallons.
8. Gallons per day to each inhabitant—101.
9. Gallons per day to each consumer—101.
10. Gallons per day to each tap—660.
11. Cost of supplying water, per million gallons pumped, figured on total maintenance operating expenses—$19.33.
12. Total cost of supplying water, per million gallons pumped, figured on total maintenance and interest on bonds—$64.20.

STATISTICS RELATING TO DISTRIBUTION SYSTEM.

For the sixteen months extending from December 1, 1907, to March 31, 1909:—

MAINS.

Kind of pipe—cast-iron.
Sizes—from two-inch to forty-inch.
Extended—3,068 feet during year.
Renewed—918 feet during year.
Total now in use—129.58 miles.
Number of leaks per mile for year ending November 30, 1908—27.
Number of leaks per mile for year ending March 31, 1909—27.
Length of pipes two and three inches diameter—two miles.
Number of hydrants added during year (public)—4.
Number of hydrants (public) now in use—1,056.
Number of stop gates added during year—17.
Number of stop gates smaller than four-inch—none.
Range of pressure on mains—55 pounds to 60 pounds.

SERVICES

Kind of pipe—galvanized wrought iron, cast-iron, tin-lined and lead-lined pipe.

Sizes—three-fourth-inch to eight-inch.

Extended—6,674 feet.

Number of service taps added during year:—

57 of ¾-inch.
56 of 1-inch.
6 of 1¼-inch.
1 of 1½-inch.
9 of 2-inch.
6 of 4-inch.
4 of 6-inch.
139 Total.

Number now in use—15,336.

Average length of service for past sixteen months—48 feet.

Average cost of service for the year, sizes from ¾-inch to 2-inch —$21.37.

Number of meters added during the sixteen months—690.

Number now in use—3,978.

Percentage of services metered—26.

Respectfully submitted,

E. C. BROOKS,

Superintendent.

CAMBRIDGE, MASSACHUSETTS,
April 1, 1909.

To the Honorable Water Board of the City of Cambridge:—

GENTLEMEN:—I would report the engines and boilers at the pumping station in good condition.

The Leavitt engine has pumped nearly all the water used the past year, the Worthington engine having been run only one hundred twenty-six hours during the month of November last.

Two small patches have been put on the furnaces of No. 1 Bellpaire boiler, where small cracks had developed in the flanging of side sheets.

Respectfully submitted,

WILLIAM H. BLAISDELL,

Chief Engineer.

ANNUAL REPORT OF OVERSEERS OF POOR

December 1, 1907, to April 1, 1909

CENTRAL SQUARE BUILDING,

CAMBRIDGE, April 10, 1909.

To His Honor, the Mayor, and the City Council of the City of Cambridge:—

GENTLEMEN:—The Act constituting the present Board of Overseers of the Poor was passed by the Legislature and approved by Governor Alexander H. Rice on March 10, 1877. The Board herewith submits its thirty-first annual report.

The following action was taken at the meeting on December 8, 1908:—

"Whereas, Patrick Crowley, who has been a member of this Board from February 25, 1902, to October 20, 1908, resigned on October 17, 1908.

Resolved, That Mr. Crowley was a valuable member of this Board, well qualified to perform the duties of his office as such member; that his opinion and advice were sound and greatly assisted his fellow-members; that he always conducted himself in an honorable and fair manner, and we sincerely regret that he resigned.

The city loses a valuable servant.

Voted that a copy of these resolutions be sent to Mr. Crowley."

On November 24, 1908, the City Council duly elected Mr. George P. O'Brien a member of the Board of Overseers of the Poor to fill a vacancy in said Board, occasioned by the resignation of Mr. Patrick Crowley, for the term which expired in the year 1909.

On March 30, 1909, by a *viva voce* vote at the convention of the City Council, held in the Aldermanic Chamber, City Hall, Cambridge, Mr. George P. O'Brien was duly elected a member of the Board of Overseers of the Poor for a term of five years beginning with the first Monday in May, current.

At the annual meeting on the first Monday in May, 1908, Henry H. Winslow, chairman of the Board since October, 1908, was again unanimously re-elected.

At the same meeting the department officers were chosen for the term of one year as follows:—David P. Muzzey as secretary, Miss

Addie Benson as clerk, Samuel F. Norris as visitor, Charles E. Goodrow as superintendent of the City Home, and his wife, Emma A. Goodrow, as matron. The salary of each of the appointees was determined by the Board.

The Act of the Legislature of 1907, under Chapter 565, approved by Governor Curtis Guild, Jr., on June 28, 1907, submitted to the voters of Cambridge and accepted by them on December 10, 1907, provided that the fiscal year should commence on April 1, thereafter, annually. The Legislature of 1908, under Chapter 362, made certain other provisions relative to the duties of the Board of Overseers of the Poor.

In this report, therefore, the Board has been called to consider the department expenditures from December 1, 1907, to April 1, 1909, a period of sixteen months. This large excess in comparison with previous reports is made apparent and easily accounted for by the fact of the change mentioned.

The proper care of the poor requires increased expenditures from year to year, and therefore it becomes necessary that the Overseers of the Poor shall depend upon the City Council to provide an appropriation required to meet these expenditures.

The cost of the pauper department from December 1, 1907, to April 1, 1909, has been as follows:—

	Expenditures	Receipts	Net Cost
Outside Aid	$33,930 48	$3,512 86	$30,417 62
City Home	27,610 81	928 18	26,682 63
City Home Hospital	2,138 00	505 40	1,632 81
Farm	5,348 17	5,038 55	309 62
Aggregate net cost of poor			$59,042 48

There have been 1,631 histories taken of applicants for relief during the past sixteen months. The total number of histories now on file at the office of the Board in Central Square Building is 16,285. These 1,631 histories embrace 4,893 persons, 2,178 males, 2,715 females, 1,345 adults, 3,548 minors.

By the provisions of Chapter 213, Acts of 1902, reasonable expenses incurred by the Board of Health in providing for persons infected with small-pox or other disease dangerous to the public health shall be paid by such person or his parents if he or they be able to pay, otherwise by the city or town in which he has a legal settlement; also that such settlement shall be determined by the Overseers of the Poor.

Many persons are affected with diseases dangerous to the public health, and the question of ascertaining the facts in order to determine the settlement of those persons requires much time and attention.

This Board is of the opinion that all the facts in relation to each person should be obtained by the Board of Health, and presented to the Overseers of the Poor in order that they may determine such settlements.

If all of the cases must be investigated by this Board our visitor would be unable to obtain all the facts necessary to determine such settlements, for the reason that all of his time is substantially required in investigating cases which come strictly within the provisions of the statutes relating to the duties of the Overseers of the Poor.

During the year the number of persons at institutions for whom the city is liable is as follows:—

City Home	336
State Hospital for Epileptics	6
Foxboro Hospital for Dipsomaniacs	11
Worcester Insane Hospital, inebriate woman	1
Cambridge Relief Hospital	52
Holy Ghost Hospital, Cambridge	1
Boston City Hospital	100
Somerville Hospital	15
Children's Hospital	1
Homeopathic Hospital	1
Baldwinville Hospital Cottages for Children	1
Massachusetts School for Feeble Minded	30
Wrentham State School	1
State Farm, Bridgewater	1
State Hospital, Tewksbury	51

The Superintendent of the City Home reports that 336 persons were cared for during the past sixteen months, an average number per month of 132 during the time, 140 being present on March 31, 1909. There have been 33 deaths of persons, the youngest 32 years, and the oldest 95 years. The average age was 66 years. There have been more inmates in the Home than for many years.

The farm did not do as well as in 1907 on account of the dryness of the season, with no facilities for watering, and on account of the low prices received for produce. A small profit, however, is shown for the sixteen months. There is needed an increase of two wagons in the offal department, none having been added for the past six years. This department has cost the city $31,470.82, but the receipts have been thirty-four per cent. of the department expenses.

The report of the City Physician shows a record of 1,934 visits upon 792 persons at the City Home. Nine hundred and thirty persons have been attended outside of the Home, and 1,313 visits made to them. There have been 17 deaths at the City Home, and 16 outside of the institution. There have been 22 outside births attended. The cost of medicines and surgical appliances at the City Home has been $363.90, and $504.77 has been spent for medicines and appliances outside of the Home.

There were 217 patients at the City Home Hospital during the sixteen months, an average of six weeks' attendance for each patient. The report of the City Physician states that "the hospital is filling a want that is manifesting itself in an urgent manner. Having had but eleven beds, a few of which are taken up by chronic cases, reducing thereby the accommodations and necessitating the sending of a large number of patients to outside hospitals, causes a condition which should not exist in a city the size of Cambridge, notwithstanding its close proximity to Boston. There should be some provision made to double the size of the present hospital at least, which would require a very small expenditure."

Respectfully submitted,

HENRY H. WINSLOW, *Chairman,*
PATRICK J. CALLAGHAN,
JAMES F. MULLEN,
GEORGE P. O'BRIEN,
JOHN R. McCOOL,

Overseers of the Poor.

TABLE OF EXPENDITURES.

BILLS APPROVED BY OVERSEERS OF POOR, DECEMBER 1, 1907, TO APRIL 1, 1909—16 MONTHS.

MONTHS.	Outside Aid.	City Home.	City Home Hospital.	Farm.	House Offal.	Total.
December, 1907.....	$1,089 12	$1,576 74	$128 56	$321 39	$2,791 82	$5,907 63
January, 1908.....	2,965 34	1,564 13	115 08	253 35	2,778 06	7,675 96
February, "	2,138 65	1,724 00	123 99	298 37	3,266 70	7,551 71
March, "	1,944 33	1,584 94	133 05	251 15	2,620 03	6,533 50
April, "	2,026 74	1,570 34	127 43	266 54	2,823 74	6,814 79
May, "	2,039 51	1,723 07	128 45	415 20	3,429 28	7,735 31
June, "	3,334 23	2,077 54	209 04	601 69	3,126 81	9,349 31
July, "	1,858 21	1,821 39	113 74	585 71	3,145 41	7,524 46
August, "	1,350 31	1,866 51	130 43	482 91	3,486 42	7,316 58
September, "	2,676 15	1,550 62	110 54	354 12	2,757 47	7,448 90
October, "	1,045 57	1,639 44	148 75	399 08	3,301 74	6,533 98
November, "	1,596 95	1,689 57	155 68	316 50	2,777 12	6,535 82
December, "	2,953 27	2,154 12	199 93	292 96	2,894 13	8,494 41
January, 1909.....	2,402 68	1,865 28	123 51	185 96	3,378 95	7,956 38
February, "	2,807 13	1,586 89	102 68	183 22	2,472 15	7,152 07
March, "	1,702 29	1,615 23	87 35	140 02	2,596 39	6,141 28
Total.....	$33,930 48	$27,609 81	$2,128 01	$5,348 17	$46,645 62	$116,672 09

TABLE OF RECEIPTS.

FROM DECEMBER 1, 1907, TO APRIL 1, 1909—16 MONTHS.

MONTHS.	Outside Aid.	City Home.	City Home Hospital.	Farm.	House Offal.	Total.
December, 1907.....	$32 59	$79 15	.....	$1,010 25	$767 10	$1,889 09
January, 1908.....	352 91	34 33	$24 75	262 25	883 37	1,557 61
February, "	.....	90 23	34 30	.....	717 29	841 82
March, "	65 50	57 30	.....	277 65	796 38	1,196 83
April, "	275 59	48 93	33 57	117 95	848 39	1,324 43
May, "	207 13	8 00	.....	221 35	805 08	1,241 56
June, "	312 75	115 73	102 56	387 65	781 79	1,700 48
July, "	.....	41 62	35 28	566 40	683 92	1,327 22
August, "	.....	43 03	22 13	297 25	774 34	1,136 75
September, "	277 78	60 74	17 71	333 25	1,119 76	1,809 24
October, "	138 76	50 57	73 28	258 70	1,529 24	2,050 55
November, "	648 97	60 73	27 43	281 40	979 90	1,998 43
December, "	20 39	52 24	17 71	279 10	1,106 04	1,475 48
January, 1909.....	2 25	55 98	17 13	563 44	1,331 19	1,969 99
February, "	519 40	58 50	27 42	.....	1,822 29	2,427 61
March, "	658 84	71 10	72 13	181 91	1,228 72	2,212 70
Total.....	$3,512 86	$928 18	$505 40	$5,038 55	$16,174 30	$26,159 79

OUTSIDE AID EXPENDITURES.

DECEMBER 1, 1907, TO APRIL 1, 1909—16 MONTHS.

MONTHS.	Salaries.	Expenses.	Total.
December, 1907	$304 00	$785 12	$1,089 12
January, 1908	304 00	2,661 34	2,965 34
February, "	380 00	1,758 65	2,138 65
March, "	304 00	1,640 33	1,944 33
April, "	304 00	1,722 74	2,026 74
May, "	305 00	1,734 51	2,039 51
June, "	244 00	3,090 23	3,334 23
July, "	244 00	1,614 21	1,858 21
August, "	305 00	1,045 31	1,350 31
September, "	244 00	2,432 15	2,676 15
October, "	379 39	666 18	1,045 57
November, "	327 00	1,269 95	1,596 95
December, "	327 00	2,626 27	2,953 27
January, 1909	408 75	1,993 93	2,402 68
February, "	327 00	2,480 13	2,807 13
March, "	355 97	1,346 32	1,702 29
Total	$5,063 11	$28,867 37	$33,930 48

CITY HOME EXPENDITURES—16 MONTHS.

MONTHS.	Salaries.	Expenses.	Total.
December, 1907	$544 92	$1,031 82	$1,576 74
January, 1908	532 92	1,031 21	1,564 13
February, "	691 89	1,032 11	1,724 00
March, "	536 92	1,048 02	1,584 94
April, "	536 79	1,033 55	1,570 34
May, "	692 17	1,030 90	1,723 07
June, "	536 79	1,540 75	2,077 54
July, "	533 92	1,287 47	1,821 39
August, "	692 17	1,174 34	1,866 51
September, "	534 79	1,015 83	1,550 62
October, "	667 17	972 27	1,639 44
November, "	561 79	1,127 78	1,689 57
December, "	536 92	1,617 20	2,154 12
January, 1909	665 17	1,200 11	1,865 28
February, "	536 50	1,050 39	1,586 89
March, "	540 82	1,074 11	1,615 23
Total	$9,341 65	$18,268 16	$27,906 81

CITY HOME HOSPITAL EXPENDITURES — 16 MONTHS.

MONTHS.	Salaries.	Expenses.	Total.
December, 1907	$74 00	$54 56	$128 56
January, 1908	76 00	39 08	115 08
February, "	95 00	28 99	123 99
March, "	76 00	57 05	132 05
April, "	76 00	51 43	127 43
May, "	95 00	33 25	128 25
June, "	76 00	133 04	209 04
July, "	76 00	37 74	113 74
August, "	95 00	35 43	130 43
September, "	76 00	34 54	110 54
October, "	95 00	53 75	148 75
November, "	76 00	79 68	155 68
December, "	76 00	123 93	199 93
January, 1909	95 00	28 51	123 51
February, "	76 00	26 68	102 68
March, "	76 00	11 35	87 35
Total	$1,309 00	$829 01	$2,138 01

FARM EXPENDITURES — 16 MONTHS.

MONTHS.	Labor.	Expenses.	Total.
December, 1907	$238 25	$83 14	$321 39
January, 1908	182 25	71 10	253 35
February, "	225 00	73 37	298 37
March, "	184 50	66 65	251 15
April, "	184 50	82 04	266 54
May, "	347 50	67 70	415 20
June, "	373 88	227 81	601 69
July, "	477 98	107 73	585 71
August, "	392 72	90 19	482 91
September, "	276 26	77 86	354 12
October, "	294 25	104 83	399 08
November, "	283 16	33 34	316 50
December, "	170 50	122 46	292 96
January, 1909	152 50	33 46	185 96
February, "	154 75	28 47	183 22
March, "	116 00	24 02	140 02
Total	$4,054 00	$1,294 17	$5,348 17

HOUSE OFFAL EXPENDITURES — 16 MONTHS.

MONTHS.	Labor.	Expenses.	Total.
December, 1907	$2,166 00	$625 82	$2,791 82
January, 1908	2,161 50	616 56	2,778 06
February, "	2,651 75	614 95	3,266 70
March, "	2,057 25	562 78	2,620 03
April, "	2,191 25	632 49	2,823 74
May, "	2,802 00	627 28	3,429 28
June, "	2,255 50	871 31	3,126 81
July, "	2,154 75	990 66	3,145 41
August, "	2,737 00	749 42	3,486 42
September, "	2,212 75	544 72	2,757 47
October, "	2,695 75	605 39	3,301 14
November, "	2,210 00	567 12	2,777 12
December, "	2,199 50	694 63	2,894 13
January, 1909	2,665 75	713 20	3,378 95
February, "	1,931 50	540 65	2,472 15
March, "	2,131 60	462 79	2,596 39
Total	$37,225 85	$10,419 77	$47,645 62

OUTSIDE AID DEPARTMENT, DECEMBER 1, 1907, TO APRIL 1, 1909—16 MONTHS.

Monthly Accounts.	Secretary, Clerk, Visitor, Driver Aid, Wagon.	Postage, Printing.	Physician, Medicines, Surgical Appliances.	Undertaker, Cambridge Cemetery.	Stationery, Books.	Groceries, Fuel.	Dry Goods, Clothing.	Transportation.	Outside Support.	Inebriate, Epileptic, Dipsomaniacs.	Hardware, Repairs, Telephone.	State Farm, State Hospital.	Gas, Electric Light.	Wagon.	Miscellaneous.	Total.
1907																
December.....	$304 00	$7 00	$19 44	$8 00	.....	$166 55	.....	$14 50	$167 13	$239 57	.....	.....	$2 93	$160 00	.....	$1,089 12
1908																
January.....	304 00	.....	45 35	10 00	$2 00	383 99	.....	10 00	2,204 70	.....	$2 00	.....	3 30	.....	.....	2,964 34
February.....	380 00	.....	64 53	14 00	31 25	418 56	.....	97 75	969 80	.....	.....	$159 38	3 38	.....	.....	2,138 65
March	304 00	18 00	49 37	119 10	22 87	482 71	.....	86 38	480 81	328 72	49 69	.....	2 68	.....	.....	1,944 33
April	304 00	.....	21 88	30 00	29 21	303 37	.....	16 00	1,219 72	.....	.....	.....	2 56	.....	.....	2,026 74
May	305 00	.....	4 95	13 00	4 00	577 58	.....	12 00	1,115 20	.....	5 62	.....	2 26	.....	.....	2,039 51
June.....	244 00	142 50	6 80	111 80	3 60	607 61	$20 50	105 18	1,470 92	325 00	42 29	253 83	2 20	.....	.....	3,334 23
July.....	244 00	12 00	23 58	21 00	19 55	418 28	.....	10 00	1,106 05	.....	.....	.....	1 90	.....	$1 85	1,858 21
August.....	305 00	.....	25 00	14 00	15 02	150 85	.....	20 00	537 88	1 86	47 76	235 33	1 87	.....	2 50	1,350 31
September.....	244 00	6 00	58 60	131 50	17 86	264 87	4 00	71 25	1,453 99	421 81	4 28	1 14	1 85	.....	.....	2,676 15
October	379 39	.....	28 50	9 00	40 97	237 39	4 00	9 00	281 13	49 21	4 50	.....	2 48	.....	.....	1,045 57
November	327 00	.....	37 05	4 00	7 00	274 79	.....	58 00	790 67	.....	95 61	.....	2 83	.....	.....	1,596 95
December.....	327 00	12 00	32 70	66 90	19 00	875 61	3 25	10 00	1,381 70	211 25	11 50	.....	2 36	.....	.....	2,953 27
1909																
January.....	408 75	.....	30 38	18 00	3 37	242 21	3 92	50 04	1,324 92	.....	45	317 66	2 98	.....	.....	2,402 68
February.....	327 00	10 00	24 63	24 00	48 88	667 78	.....	8 40	1,539 46	.....	37 40	.....	2 88	.....	.....	2,807 13
March	355 97	.....	32 57	19 00	18 42	481 18	8 33	8 00	568 19	.....	22 40	.....	2 37	.....	.....	1,702 29
Total....	$5,063 11	$207 50	$505 33	$613 30	$283 00	$553 33	$44 00	$584 50	$17,003 07	$1,577 42	$323 40	$967 34	$40 83	$160 00	$4 35	$33,930 48

CITY HOME DEPARTMENT, DECEMBER 1, 1907, TO APRIL 1, 1909—16 MONTHS.

Monthly Accounts.	Superintendent, Chaplain, Organist, Wages.	Medicines, Surgical Appliances, Disinfectant.	Ice, Meat, Poultry, Fish, Groceries, Provisions.	Dry Goods, Clothing, Boots and Shoes.	Fuel.	Gas, Electric Motor.	Hardware, Furniture, Plants.	Repairs, Painting.	Lumber.	Postage, Stationery, Books.	Telephone, Transportation.	Undertaker, Cemetery.	Printing.	Miscellaneous.	Total.
1907															
December	$548 92	$13 70	$743 10	$36 95	$95 62	$27 77	$23 74	.....	.....	$12 50	$65 44	$5 00	.....	$4 00	$1,576 74
1908															
January	538 92	33 01	705 69	183 52	.....	32 54	19 85	$26 95	.....	.....	.....	.....	$17 90	5 75	1,564 13
February	701 89	36 95	792 86	106 85	.....	36 86	9 90	7 49	$9 10	18 10	.....	.....	.....	4 00	1,724 00
March	542 92	51 22	726 66	115 06	.....	24 75	61 60	40 08	8 17	2 58	6 40	.....	.....	5 50	1,584 94
April	546 79	38 55	619 97	64 01	221 09	27 73	2 00	.....	.....	13 80	24 90	5 00	.....	6 50	1,570 34
May	698 17	32 47	602 78	61 10	256 34	19 11	.....	9 20	.....	.....	.....	39 40	.....	4 50	1,723 07
June	538 79	43 95	901 15	127 08	124 64	12 11	182 48	62 16	13 23	2 50	53 90	8 30	.....	7 25	2,077 24
July	533 92	66 27	817 51	74 15	191 32	12 38	47 84	11 90	.....	9 50	.....	16 60	.....	40 00	1,821 39
August	692 17	39 79	841 68	58 46	143 06	13 91	25 04	.....	.....	10 50	36 40	.....	.....	5 50	1,866 51
September	534 79	22 55	805 23	88 04	.....	15 71	14 50	40 00	.....	.....	23 05	.....	.....	6 75	1,550 62
October	673 17	13 14	764 45	92 96	.....	18 77	41 30	22 00	.....	9 90	.....	.....	.....	3 75	1,639 44
November	567 79	39 03	747 49	203 14	68 47	18 48	10 05	2 00	9 19	13 33	4 60	.....	.....	6 00	1,689 57
December	544 92	3 70	968 05	95 14	302 68	36 14	135 15	24 93	.....	7 25	31 41	.....	.....	4 75	2,154 12
1909															
January	673 17	38 55	706 04	95 53	181 62	38 75	86 92	4 20	15 00	.....	2 10	.....	17 40	6 00	1,865 28
February	569 50	30 70	555 46	59 93	182 60	29 31	111 17	19 70	.....	8 97	.....	13 30	.....	6 25	1,586 89
March	548 82	36 33	727 56	40 84	152 01	29 12	.....	5 25	.....	16 50	52 30	.....	.....	6 50	1,615 23
Total	$9,454 65	$538 91	$12,025 68	$1,502 76	$1,920 45	$393 94	$771 54	$275 86	$54 69	$125 43	$300 50	$87 60	$35 30	$123 00	$26,609 81

CITY HOME HOSPITAL, DECEMBER 1, 1907, TO APRIL 1, 1909—16 MONTHS.

Monthly Accounts.	Wages.	Surgical Appliances.	Medicines.	Groceries.	Hardware.	Electric Light.	Clothing.	Repairs.	Disinfectant.	Fuel.	Total.
1907											
December	$74 00	$13 60	$4 00	$5 64	.....	$13 92	.....	.....	.....	$17 40	$128 56
1908											
January	76 00	.....	20 09	3 03	.....	15 96	.....	.....	.....	.....	115 08
February	95 00	5 00	.....	7 18	$1 45	15 36	.....	.....	.....	.....	123 99
March	76 00	21 78	.....	6 56	.....	.....	.....	.....	.....	28 71	133 05
April	76 00	6 80	17 92	6 67	.....	20 04	.....	.....	.....	.....	127 43
May	95 00	.....	.....	.....	.....	.....	.....	$33 25	.....	.....	128 25
June	76 00	12 00	.....	6 35	49 51	14 28	.....	.....	.....	50 90	209 04
July	76 00	13 10	13 64	6 56	.....	4 44	.....	.....	.....	.....	113 74
August	95 00	11 50	11 94	7 43	.....	4 56	.....	.....	.....	.....	130 43
September	76 00	19 75	.....	5 27	4 00	5 52	.....	.....	.....	.....	110 54
October	95 00	.....	26 58	6 76	5 25	6 96	$4 50	.....	$3 70	.....	148 75
November	76 00	11 50	.....	6 18	23 70	9 60	.....	.....	.....	28 70	155 68
December	76 00	11 50	17 45	5 17	4 35	7 08	5 00	.....	3 70	69 68	199 93
1909											
January	95 00	.....	11 54	.....	8 81	8 16	.....	.....	.....	.....	123 51
February	76 00	11 50	.....	6 90	.....	8 28	.....	.....	.....	.....	102 68
March	76 00	.....	11 35	.....	.....	.....	.....	.....	.....	.....	87 35
Total	$1,309 00	$138 03	$134 51	$79 70	$97 07	$134 16	$9 50	$33 25	$7 40	$195 39	$2,138 01

FARM DEPARTMENT, DECEMBER 1, 1907, TO APRIL 1, 1909—16 MONTHS.

Monthly Accounts.	Labor on Farm.	Garden Seeds, Plants.	Clothing.	Electric.	Hens, Chickens.	Fuel.	Blacksmith Hardware. Lumber.	Repairs.	Grain.	Straw	Market Stand.	Total.
1907												
December	$238 25			$1 00			$68 74	$9 40	$4 00			$321 39
1908												
January	182 25	$22 85								$47 25		253 35
February	225 00			1 00			36 77		35 60			298 37
March	184 50						14 25	52 40				251 15
April	184 50	5 00		2 00		$17 84			57 20			266 54
May	347 50			1 00			6 70				$60 00	415 20
June	273 88	133 22		1 00	$15 00		41 63			36 96		601 69
July	477 98	22 58		1 00					84 15			585 71
August	392 72			1 00			25 99	33 40	29 80			482 91
September	276 26			1 00	26 50		24 96		25 40			354 12
October	294 25	26 65	$4 50	1 00			65 43		7 25			399 08
November	283 16			1 00			32 34					316 50
December	170 50						16 16		105 30			292 96
1909												
January	152 50	8 10		1 00			4 36		13 00			185 96
February	154 75			1 00			5 52	1 40	12 80	9 15		183 22
March	117 00								22 62			140 02
Total	$3,955 00	$218 40	$4 50	$13 00	$41 50	$17 84	$349 85	$96 60	$397 12	$93 36	$60 00	$5,348 17

HOUSE OFFAL DEPARTMENT, DECEMBER 1, 1907, TO APRIL 1, 1909—16 MONTHS.

Monthly Accounts.	Wages.	Blacksmith.	Grain.	Hay.	Straw.	Hardware.	Lumber.	Fuel.	Clothing and Repairs.	Horses.	Gas and Electric Light.	Wagon	Total.
1907													
December.....	$2,166 00	$57 00	$156 00	.....	$35 56	$160 90	.....	.....	$210 12	$285 00	$6 24	.....	$2,791 82
1908													
January.....	2,161 50	88 70	127 80	$310 87	12 24	.....	.....	.....	69 75	.....	7 20	.....	2,778 06
February.....	2,651 75	41 00	468 00	.....	.....	10 07	$9 65	.....	79 15	.....	7 08	.....	3,266 70
March	2,047 25	120 00	.....	304 36	32 37	.....	.....	.....	106 05	.....	.....	.....	2,620 03
April	2,191 25	12 00	87 45	454 73	.....	14 60	.....	$17 40	38 75	.....	7 56	.....	2,823 74
May	2,802 00	115 25	412 58	.....	.....	35 95	.....	.....	62 50	.....	1 00	.....	3,429 28
June.....	2,255 50	61 75	14 70	560 44	.....	84 54	55 73	.....	93 15	.....	1 00	.....	3,126 81
July	2,154 75	40 25	328 16	.....	48 70	.....	.....	.....	25 05	.....	1 00	.....	3,145 41
August	2,737 00	73 25	160 80	262 35	.....	13 25	.....	.....	230 83	.....	8 94	$92 00	3,486 42
September.....	2,212 75	41 25	151 20	205 72	.....	26 25	.....	.....	27 30	.....	1 00	.....	2,757 47
October	2,695 75	42 25	151 20	263 03	73 03	18 91	34 47	.....	21 50	.....	1 00	.....	3,301 14
November.....	2,210 00	61 50	143 26	219 58	54 62	29 37	.....	.....	34 50	.....	3 00	.....	2,777 12
December.....	2,199 50	48 17	69 60	.....	.....	28 51	.....	45 92	213 95	.....	3 48	.....	2,894 13
1909													
January.....	2,665 75	96 15	142 10	216 07	.....	17 57	83 38	.....	151 45	.....	6 48	.....	3,378 95
February.....	1,931 50	100 25	139 20	256 01	.....	22 77	.....	.....	17 50	.....	.....	.....	2,472 15
March	2,133 60	94 99	207 64	.....	.....	.....	.....	.....	160 25	.....	.....	.....	2,596 39
Total.....	$37,215 85	$1,093 67	$2,759 69	$3,053 16	$256 52	$4,662 69	$183 23	$63 32	$1,541 80	$285 00	$47 04	$92 00	$47,645 62

REPORT OF CITY PHYSICIAN.

CAMBRIDGE, MASS., March 31, 1909.

To the Honorable, the City Council of Cambridge:—

GENTLEMEN:—The report of the City Physician for the sixteen months ending March 31, 1909, is hereby rendered:—

CITY HOME.

Number of visits to the City Home	433
Number of patients at the City Home	153
Number of persons attended there	792
Number of professional visits to the same	1,934
Number of deaths at the City Home	17
Cost of medicines and surgical appliances	$363 90

OUTSIDE AID.

Number of persons attended for Overseers of Poor	930
Number of professional visits to the same	1,313
Number of persons sent to hospitals for treatment	143
Number of outside deaths	16
Number of outside births	22
Cost of medicines and surgical appliances	$504 77

DEPARTMENTAL SERVICE AND TOTALS.

Number of persons visited at police stations	58
Number of professional visits to the same	64
Number of persons examined for the Law Department	5
Number of professional visits for the Law Department	5
Number of employees examined for injuries	49
Number of visits to the same	113
Number of vaccinations for the School Committee	552
Number of visits to the same	552
Number of call men examined for retirement	11
Number of visits to the same	11
Number of firemen examined for retirement	1
Number of visits to the same	1
Number of call men examined for increase of pension	1
Number of visits to the same	1
Number of policemen examined for retirement	4
Number of visits to the same	4
Total number of persons receiving professional care	2,403
Total number of professional visits to the same	3,998

CITY HOME HOSPITAL REPORT FOR THE SIXTEEN MONTHS ENDING MARCH 31, 1909.

There were 88 patients admitted during the 16 months; the number of persons attended was 100; counting the patients who are there month after month, the year round, it brings the total up to 217, for a period of 3,683 days, or 526 1-7 weeks, averaging not quite 6 weeks to a patient.

We had 41 paying patients at the hospital for a period of 1,049 days, or about 150 weeks, with an average revenue of about $3.37 a week.

Total revenue from all sources, as paying patients:—

State, Soldiers' Aid, other cities and towns	$505 40
The appropriation from the City Government, for sixteen months	2,138 68
Running expenses, nurses' salaries, etc.	2,138 01
Leaving a balance of	67
Net expenses for the sixteen months	$1,638 28

Struggling under difficulties, the hospital is filling a want that is manifesting itself in an urgent manner. Having but 11 beds, a few of which are taken up by chronic cases, reducing thereby the accommodations and necessitating the sending of a large number of patients to outside hospitals, causes a condition which should not exist in a city the size of Cambridge, notwithstanding its close proximity to Boston.

There should be some provision made to double the size of the present hospital at least, which would require a very small expenditure.

I hope the time is fast approaching when necessities will become facts.

I wish to thank the Superintendent, Mr. Goodrow, the Matron, Mrs. Goodrow, Mr. Muzzey, the Secretary, the Clerk, Miss Benson, and the Agent, Mr. Norris, for their kind and courteous treatment and material help.

Respectfully submitted,

WILLIAM G. BROUSSEAU, M. D.,

City Physician.

REPORT OF THE SUPERINTENDENT OF THE CAMBRIDGE CITY HOME.

CAMBRIDGE, April 1, 1909.

To the Overseers of the Poor:—

GENTLEMEN:—The annual report of the Cambridge City Home for sixteen months ending March 31, 1909, is hereby respectfully submitted.

The whole number in the Home during the sixteen months has been as follows:—

Males	188
Females	481
Total	336
Adults	292
Minors	44
Whole number in Home March 31, 1909	140
Average number during the sixteen months	132

Included in the whole number in the House March 31, 1909, there are:—

IDIOTIC OR IMBECILE.

Males	0
Females	1
Total	1

BLIND.

Males	0
Females	1
Total	1

EPILEPTIC.

Males	2
Females	2
Total	4

Included in the whole number discharged during the sixteen months are fourteen persons sent to other institutions, as follows:—

Holy Ghost Hospital	1
State Hospital	1
State Home	5
Worcester Insane Hospital	5
Board of Health	2

Remaining in the home March 31, 1909:—

Males	79
Females	61
Adults	137
Minors	3

All statistics of general interest will be exhibited by the following tables:—

TABLE I.

Showing the number and sex of adult persons and minors of all classes received into the Cambridge City Home in each month of the sixteen months ending March 31, 1909.

Months.	Adults.		Minors.		Total.	Dependent Children.		Neglected Children.	
	M.	F.	M.	F.		M.	F.	M.	F.
1907									
December	4	5	3	0	12	3	0	0	0
1908									
January	12	11	3	1	27	3	1	0	0
February	6	3	2	0	11	2	0	0	0
March	3	4	0	0	7	0	0	0	0
April	6	5	0	1	12	0	1	0	0
May	10	5	2	0	17	1	0	1	0
June	3	1	0	1	5	0	0	0	1
July	9	6	5	3	23	4	3	1	0
August	6	5	0	2	13	0	2	0	0
September	7	1	1	0	9	1	0	0	0
October	17	4	1	0	22	1	0	0	0
November	8	7	1	0	16	1	0	0	0
December	7	5	3	4	19	3	4	0	0
1909									
January	5	8	4	3	20	2	1	2	2
February	4	5	1	0	10	1	0	0	
March	3	4	1	2	10	0	0	2	1
Totals	110	79	27	17	233	22	12	6	4

TABLE II.

Showing the number and sex of adult persons and minors of all classes discharged from the Cambridge City Home in each month of the sixteen months ending March 31, 1909.

Months.	Adults.		Minors.		Total.	Dependent Children.		Neglected Children.	
	M.	F.	M.	F.		M.	F.	M.	F.
1907									
December	6	2	1	0	9	1	0	0	0
1908									
January	1	4	4	0	9	4	0	0	0
February	1	6	3	0	10	3	0	0	0
March	4	7	0	0	11	0	0	0	0
April	15	1	0	0	16	0	0	0	0
May	5	6	1	1	13	0	1	1	0
June	4	4	1	1	10	1	0	0	1
July	5	5	3	1	14	2	1	1	0
August	1	3	1	1	6	1	1	0	0
September	9	2	1	0	12	1	0	0	0
October	5	4	1	0	10	1	0	0	0
November	7	9	2	3	21	2	3	0	0
December	4	4	2	1	11	2	1	0	0
1909									
January	6	7	4	6	23	2	4	2	2
February	5	7	1	0	13	1	0	0	0
March	6	2	2	1	11	0	0	2	1
Totals	84	73	27	15	199	21	11	6	4

PRODUCT OF THE FARM AND THEIR APPROXIMATE VALUES.

317	bushels beans	$135 20
306	bushels beets	157 20
151	bushels greens	16 23
316	dozen bunches beets	65 95
9,925	cabbages	422 00
1,754	dozen bunches celery	1,257 80
35,942	cucumbers	319 20
361	bushels dandelions	122 80
720	dozen lettuce	48 60
20,941	lbs. pork	1,572 52
2,505	dozen bunches radishes	228 50
112	bushels rhubarb	65 55
590	bushels spinach	78 67
826	bushels tomatoes	305 25
523	bushels parsnips	210 55
234	dozen bunches carrots	202 30
624	bushels carrots	200 15
313	bushels onions	242 10
489	dozen bunches onions	60 75
680	dozen eggs	170 00
Strawberries, peas, corn, asparagus		40 00
		$5,921 32
Vegetables supplied Home sixteen months to April 1, 1909		$480 00
Eggs supplied Home sixteen months to April 1, 1909		170 00
Pork products supplied Home sixteen months to April 1, 1909		232 77
Cash receipts		5,038 55
		$5,921 32
Less expenses sixteen months ending March 31, 1909		5,349 17
Net gain		$572 15

COMPARATIVE TABLE OF CITY HOME, FARM, LEDGE AND HOUSE OFFAL RECEIPTS FOR TWENTY-EIGHT YEARS, FOUR MONTHS, ENDING MARCH 31, 1909.

Years.	Board.	Chair Shop	Farm.	General Sales.	Stone.	House Offal.	Totals.
1881.....	$822 56	.....	$378 50	.....	$2,529 01	$5,536 88	$8,766 95
1882.....	705 34	.....	436 54	.....	2,626 17	5,705 22	9,473 27
1883.....	1,174 96	.....	476 22	$14 19	2,622 00	5,819 55	10,106 92
1884.....	1,480 93	.....	316 76	.....	4,238 77	6,449 96	12,486 42
1885.....	2,035 58	.....	335 32	149 85	4,509 84	7,354 26	14,384 95
1886.....	613 93	$37 50	772 14	319 75	5,611 38	6,926 23	14,280 93
1887.....	514 64	634 19	1,595 10	241 37	4,684 14	6,856 59	14,526 03
1888.....	557 28	614 94	2,846 52	213 62	6,662 26	6,721 50	17,617 86
1889.....	274 84	479 28	3,684 59	144 36	5,564 18	7,324 61	17,471 06
1890.....	302 49	794 36	4,364 03	150 89	5,651 38	7,386 33	18,649 48
1891.....	1,201 33	844 62	5,213 68	161 71	6,107 86	7,716 77	21,245 97
1892.....	1,253 06	899 81	5,371 60	166 45	5,220 50	7,535 57	20,447 55
1893.....	703 70	325 86	6,400 64	210 09	5,826 74	7,033 52	20,500 05
1894.....	1,094 89	220 07	6,504 66	615 69	7,955 42	8,218 96	24,609 69
1895.....	622 77	77 00	6,512 63	160 19	8,265 14	9,045 55	24,682 78
1896.....	834 52	61 25	5,623 67	147 02	7,629 48	9,155 35	23,461 24
1897.....	1,294 65	3 60	5,348 47	137 33	10,335 16	7,228 79	24,348 06
1898.....	1,038 19	.....	5,730 13	277 40	2,172 60	7,264 09	16,482 41
1899.....	703 17	.....	6,049 47	142 54	.....	6,997 40	13,892 58
1900.....	611 57	.....	5,082 43	137 40	.....	7,322 05	13,153 45
1901.....	793 32	.....	5,173 83	83 60	.....	8,016 71	14,067 46
1902.....	826 69	.....	5,098 37	78 15	.....	9,722 83	15,726 04
1903.....	659 21	.....	3,922 67	526 43	.....	10,359 99	15,468 27
1904.....	969 54	.....	4,286 46	69 47	.....	11,729 75	17,055 23
1905.....	902 30	.....	4,964 10	66 39	.....	11,326 61	17,258 40
1906.....	807 96	.....	5,209 65	62 83	.....	10,565 96	16,646 40
1907.....	766 20	.....	5,486 29	67 68	.....	10,564 07	16,884 24
1908..							
16 mos. to Mar. 31, 1909	842 97	.....	5,038 55	85 21	.....	16,174 80	22,141 53
Totals.....	$23,908 59	$4,992 48	$112,223 00	$4,428 11	$98,222 03	$232,059 90	$475,834 71

City Home Hospital Receipts $505 40

The ages of the inmates are as follows:—Six between eighty and ninety, forty-two between seventy and eighty, thirty-nine between sixty and seventy, twenty-seven between fifty and sixty, fourteen between forty and fifty, seven between thirty and forty, one between twenty and thirty, one between ten and twenty, three children.

Of the persons who died during the sixteen months one was between ninety and one hundred, four between eighty and ninety, nine between seventy and eighty, eleven btween sixty and seventy, one between fifty and sixty, five between forty and fifty, two between thirty and forty.

The average age of those who died was sixty-six years.

The farm did not do as well as in 1907, for the reason that the season was the driest known in this section for years, with no facilities for watering, and on account of low prices received for produce.

Taking into consideration the hours of labor, and the wages, in comparison with other farms, it is doing well to come out whole. However, a small profit is shown for the sixteen months.

The total expenses for the Offal Department for the sixteen months were	$47,645 42
Receipts	16,174 80
Net Cost	$31,470 82

It will be seen that the receipts have paid thirty-four per cent. of the department expenses.

What is needed most now in this department is the addition of two teams, none having been added for six years, and consequently the work cannot be kept up as well as it should be.

There have been more inmates at the Home than for many years, and taking into account the increased cost of food and clothing, in fact everything, the expenses have necessarily been higher than in former years.

I thank your honorable Board for valuable advice and assistance, and also thank the officers and employees in the departments under my charge for their faithfulness and efficiency.

Respectfully submitted,

CHARLES E. GOODROW,

Superintendent.

CITY CLERK'S REPORT OF FEES AND LICENSES.

OFFICE OF THE CITY CLERK, April 2, 1909.

To the Honorable, the City Council of the City of Cambridge:—

The undersigned herewith presents an account of the sums received for fees and licenses during the period of sixteen months, from December 1, 1907, to April 1, 1909:—

Auctioneers' Licenses	$54 00
Pool, Bowling Alley and Billiard Licenses	104 00
Wagon, Carriage and Drivers' Licenses	297 00
Intelligence Office Licenses	34 00
Junk Store and Collectors' Licenses	1,262 00
Peddlers' Licenses	144 50
Recording Mortgages, Assignments, etc.	798 88
Marriage Certificates	1,278 50
Certified Copies from Records	218 85
Dog Licenses	461 20
Fireworks Licenses	87 00
Liquor Licenses	54 00
Pawnbrokers and Small Loans	265 00
Sundries	80 35
Total	$5,139 28

The foregoing amount has been paid into the City Treasury. The receipts from Dog Licenses have been $5,955.00. Of this amount, the City Clerk's fee (20 cents for each license issued), amounting to the sum of $461.20, is included in the above list of fees, and the balance, amounting to $5,493.80, has been paid to the County Treasurer.

Respectfully submitted,

EDWARD J. BRANDON,
City Clerk.

REPORT OF BOARD OF CEMETERY COMMISSIONERS.

CAMBRIDGE, April 1, 1909.

To the Honorable, the City Council:—

The Board of Commissioners of Cambridge Cemetery respectfully submits the fifty-fifth annual report, the same being for the sixteen months ending March 31, 1909.

By a change in the City Charter, the financial year begins on April 1, and ends on March 31 of each year. This necessitated a special appropriation for the four months between the date of the closing of the former financial year (November 30, 1907) and April 1, 1908, the beginning of the current financial year, and the following sums were appropriated, viz.:—

General Expenses, $999.66. Salaries, $5,282.92

The expenditures for this period were:—

General Expenses, $558.57. Salaries, $3,642.69

For the twelve-month period from April 1, 1908, to April 1, 1909, the following sums were appropriated, viz.:—

General Expenses, $3000.00. Salaries, $15,500.00

The expenditures for this period were:—

General Expenses, $2,999.52. Salaries, $15,425.56

A special appropriation in the sum of Five Hundred Dollars ($500.00) was made for the completion of the work of rebuilding the wall along Coolidge Avenue.

For a detailed account of expenditures, reference is made to the City Auditor's reports.

The receipts of the period of sixteen months have been as follows:—

From December 1, 1907, to April 1, 1908:—

Sales	$2,680 00	
Burials	938 00	
Foundations, etc.	394 51	
Care of lots	182 00	
Sundries	132 25	
Total		$4,326 76

From April 1, 1908, to April 1, 1909:—

Sales	$6,586 50	
Burials	3,177 00	
Foundations, etc.	1,642 66	
Care of lots	2,530 61	
Sundries	658 86	
Interest on Cemetery Fund	2,884 93	
Total		$17,480 56

The estimated revenue by this Board, from General Account for the twelve-month period, was $19,000.00. The actual revenue fell short of the estimate by about $1,500.00, and this deficit is entirely due to the falling off of sales. In all other divisions of Cemetery work the receipts have been in excess of the anticipated revenue.

Much attention has been given to the matter of care, and, by intelligent prompting and counsel, an unusually large sum has been realized for the annual care of lots and graves, besides the increment from those placed in perpetual care.

On the whole, the season has been a busy one, and the working force has been kept continually at work in order that the customary good appearance of the grounds might be maintained. The reduction in the appropriation for salaries necessitated the strictest economy and close supervision to secure results, but the Board feels justified in its knowledge that the reputation of the Cemetery for cleanliness, good order, and satisfaction to lot owners has not suffered.

There has been no appreciable change in the number of the men employed, and it is regretted that the City Council could not appropriate a sum sufficient to complete the construction work which must be done before the remaining portion of the grounds can be utilized for burial.

Much remains to be done in the northerly part of the Greenwood

Avenue section and, if the funds permitted, the Commissioners would prefer to do the work now, rather than perform it in sections as it may be absolutely required.

The present system, rendered necessary by lack of suitable appropriation, gives little or no choice to prospective lot holders, and many persons secure their burial lots elsewhere when they learn that they must purchase, if at all, in the sections which have been prepared.

As has been pointed out heretofore, the present method results in a loss from sales, and this item has usually proven the largest source of income to the Cemetery. When a choice of location can be afforded intending purchasers, we can make sales to our citizens in one place or another without much difficulty.

This has been proven in the case of the "Knoll" section on River and Rosebay Avenues, which is a most desirable spot. Before this section had been laid out, little or no choice was offered in location of lots, and the receipts suffered accordingly. But in the two years since an opportunity was given to purchase in this vicinity, the revenue from sales increased about Five Thousand Dollars. Now that this section has been practically sold, the sales during the past season have again decreased as herein stated.

Surely this experience should show conclusively the desirability of laying out the remaining portion of the grounds at once, that reasonable choice may be afforded our citizens for burial plots, and that they may not feel compelled to obtain their holdings elsewhere.

CARE OF LOTS.

The Commissioners note with satisfaction the gradual increase in the perpetual care fund. Since the last report, forty lots have been placed in perpetual care. For these lots, the sum of Four Thousand One Hundred Twenty-Six Dollars ($4,126.00) has been deposited, and the fund, with interest, now aggregates the amount of Seventy-seven Thousand Six Hundred Ninety Dollars and Forty-six Cents ($77,690.46).

The total number of lots under this system is six hundred and thirteen (613).

This method of caring for the last homes of our beloved ones is urgently recommended. From the inception of Cambridge Cemetery it has been the desire of the several Boards of Commissioners to discharge their trust so as to meet the commendation of citizens and visitors, by providing a beautiful and cleanly cemetery, the appearance of which would appeal to the sense of fitness, and the surest way to

accomplish such a result has been to see that the proper care has been given to the avenues, the paths, the trees and the shrubs. No effort has been spared on the part of the municipal authorities, but this effort cannot reach full fruition until individual lot owners take enough pride in their several holdings to ensure their continual good appearance. A single lot with grass uncut during the season, with shrubs unpruned, marred by unseemly hollows and furrows, will do much to nullify all the efforts of the cemetery force.

The practise of providing annually for the care of a lot is a good one, but is liable to so many interruptions, from one cause or another, that the best and most economical way is to place the lot in perpetual care.

In this way there never can be any doubt of the good appearance of a lot, and the general good effect will be without question. Indeed, the Commissioners are so well satisfied with the perpetual care system that, whenever it has been possible to do so, they have insisted on this method of care.

CEMETERY WALL.

In agreement with the recommendation of this Board, the City Council appropriated the sum of Five Hundred Dollars ($500.00) for the completion of the wall along the Coolidge Avenue side of the grounds.

The preparatory work has been carried on during the winter season and the Board has been able to complete the wall at a comparatively small outlay by using the cemetery force on this work when not engaged in the ordinary and usual tasks. The wall is now completed, and, with the cement capping, presents an appearance in harmonious agreement with the surroundings.

The total appropriation has been expended, and in an entirely satisfactory manner. About 700 feet of wall has been rebuilt and capped.

RIVER AVENUE GATEWAY.

The greater number of burials in recent years has taken place in the vicinity of River Avenue, due in a large measure to the fact that all the single graves and nearly all the lots which have been sold have been located in that vicinity.

Because of this fact, it has become a matter of great convenience to use the gateway at the River Avenue entrance to the grounds. For years this gateway has been closed, and, as almost a half century has

elapsed since it was erected, it shows the wear and tear of the seasons, and it cannot be now used conveniently until radical repairs will have been made.

It is the wish of the Commissioners to utilize this entrance, as a matter of great convenience to many lot owners, and, should the appropriation warrant it, the necessary repairs will be made during the coming season. About Two Hundred Dollars ($200.00) will be required to repair the iron gates and reset the posts.

NEW CHAPEL.

For more than five decades the work of this department has been progressing, and during all this time the Cemetery has in most respects met the reasonable demands of our citizens.

The general appearance of the cemetery, its advantages of natural location, the relations of continuous harmony which have existed between proprietors and officials, its accessibility,—all have contributed to render it a desirable place for the interment of those whose memory is sacred to us.

But there has been lacking one important element,—the opportunity to hold religious service within the grounds before the interment. The office building has been utilized many times for such purpose, but such use is at best only a makeshift and can be sanctioned only because of the necessity of having some place for performing the last sad offices.

Such a use, too, interferes with the regular purpose of the office building, which, besides its inadequacy for the purpose of a funeral gathering, has the additional objection of being arranged for business uses.

It has therefore seemed to this Board that a Chapel Building was most desirable. An investigation of the business side of the proposition would seem to indicate that such a structure could readily more than earn its maintenance and sinking fund charges.

That it would prove a source of intense satisfaction to our lot owners, present and prospective, must be admitted, while it would enhance the good appearance of the Cemetery and permit the performance of burial rites amid seemly conditions.

A sketch has been prepared of a Chapel suitable for Cambridge Cemetery, with accommodations for about one hundred and fifty persons, and the estimated cost is about Seven Thousand Dollars ($7,000.00).

The construction of such a Chapel is recommended.

The Commissioners regret that they are compelled to record the retirement from membership of Dr. Herbert A. Chase and Mr. Samuel Usher, both of whom declined further service at the close of their terms of office, in February, 1908.

Dr. Chase was first appointed in 1893, and Mr. Usher in 1904, and both served continuously to the date of retirement, bringing to the work qualities of excellent judgment and a keen perception of the necessities of the department.

To Dr. Chase, in particular, the service is indebted for fifteen years' splendid work.

The example of these gentlemen, in giving unsparingly to the public service without compensation, of their time, capacity and mature judgment, merits the commendation of our citizens.

The Superintendent reports the following statistics:—

Interments from December 1, 1907	834
Interments, total	28,430
Interments (Overseers of the Poor)	66
Lots sold	46
Graves sold	194
Lots ready for sale	229
Estimated value of same	$51,012 46
Graves ready for sale	213
Estimated value of same	$3,195 00
Foundations laid	159
Brick and slate graves laid	38
Lots placed in annual care	1,052

JOHN LYNCH, Chairman,
WILLIAM A. BERTSCH,
GUSTAVE WILSON,
DAVID A. BARBER,
ROSWELL WETHERBEE,
Board of Cemetery Commissioners.

APPENDIX.

ORDINANCES

PASSED BETWEEN APRIL 1, 1908, AND APRIL 1, 1909, AND AMENDMENTS TO STANDING REGULATIONS OF BOARD OF ALDERMEN.

AN ORDINANCE IN AMENDMENT OF AN ORDINANCE ENTITLED "FIRE."

Be it ordained by the City Council of the City of Cambridge, as follows:

Section 9 of Chapter 11 of the Revised Ordinances of 1892, as amended to November 8, 1899, and as further amended by ordinances approved April 10, and December 31, 1901, and March 30, 1905, and May 7, 1907, is hereby amended by adding at the end of Section 9 thereof, amended as aforesaid, the following: "The permanent force of the Fire Department shall be increased by five members who shall be assigned as the Chief Engineer may direct, and the number of call men shall be reduced to five." [*Approved April* 20, 1908.

AN ORDINANCE IN AMENDMENT OF AN ORDINANCE IN RELATION TO JUNK, OLD METALS, SECOND-HAND ARTICLES AND RAGS.

Be it ordained by the City Council of the City of Cambridge, as follows:

Section 2 of Chapter 42 of the Revised Ordinances of 1892, as amended to December 28, 1900, is further amended by striking out the last paragraph in said section and inserting the following:

"The fee for keepers of shops for the purchase, storage, sale or barter of junk, old metals, second-hand articles or rags, and the fee for such solicitors, collectors and dealers of the aforesaid articles, shall be ten dollars for each license. No such license shall be transferable. [*Approved April* 29, 1908.

AN ORDINANCE IN AMENDMENT OF AN ORDINANCE ENTITLED "FIRE."

Be it ordained by the City Council of the City of Cambridge, as follows:

Section 5 of Chapter 11 of the Revised Ordinances of 1892, as amended to November 8, 1899, and further amended by an ordinance approved December 28, 1900, relative to pensions for firemen, is hereby amended by striking out the entire section and inserting in place thereof the following:

"Section 5. The pension granted to any member of the fire department shall not exceed one-half the amount of his salary; provided, however, that any call member who has incurred permanent

disability while in the performance of his duty as fireman may be granted a pension to an amount not exceeding that which may be granted to a permanent member of the department of equal rank." [*Approved June* 11, 1908.

AN ORDINANCE IN RELATION TO ANNUAL REPORTS OF OFFICERS OR BOARDS IN CHARGE OF DEPARTMENTS.

Be it ordained by the City Council of the City of Cambridge, as follows:

Section 1. All officers or boards in charge of departments, except the City Auditor, shall present to the City Council annually, on or before the tenth day of April, a departmental report showing in detail the expenses of the department, the material and other property on hand, and an account of the work performed, and any other facts and recommendations which may be deemed advisable. The City Auditor shall present his annual report to the City Council during the month of April.

Section 2. So much of the Revised Ordinances of 1892 as amended to November 8, 1899, as may be inconsistent with the provisions of this ordinance is hereby repealed. [*Approved January* 28, 1909.

AN ORDINANCE ENTITLED "DEALERS IN COAL AND COKE."

Be it ordained by the City Council of the City of Cambridge, as follows:

Section 1. All licenses granted by the Secretary of the Commonwealth to dealers in Coal and Coke within this City shall be for a period of one year from the issuance of said license by said Secretary. [*Approved February* 10, 1909.

REGULATIONS OF BOARD OF ALDERMEN, APRIL 1, 1908, TO APRIL 1, 1909.

IN BOARD OF ALDERMEN, October 6, 1908.

Ordered, That the regulations of this Board regarding Intelligence Offices be and the same are hereby amended in Section six (6) thereof by striking out the words, "at the time of application for a place," and inserting instead thereof the words, "upon the furnishing of such employment," and also by striking out the words, "and in case no servant or place of employment is obtained within six days from the date of payment the money shall be refunded except

as follows:—If either male or female shall be sent to a situation, and make an engagement and go to work, and for any reason shall not remain at the place, neither party shall be entitled to have the pay returned," and in place thereof insert the following:—"If a person who receives employment through the agency of an intelligence office is discharged by his employer within ten days after the time of entering upon such employment, and such discharge is not caused by his inability, incompetence, refusal to perform the work required or other fault, the keeper of such intelligence office shall on demand refund to him five-sixths of the amount paid to such keeper by the employer on account of such employment," so that Section six (6) as amended shall read as follows:—

Section 6. Every license keeper of an intelligence office shall be entitled to receive of each female, upon the furnishing of such employment, a sum not exceeding fifty cents; and of each male who shall make such application, a sum not exceeding one dollar; and of each person making application for female servants a sum not exceeding fifty cents; and for a male servant a sum not exceeding one dollar, for which a receipt shall be given at the time. If a person who receives employment through the agency of an intelligence office is discharged by his employer within ten days after the time of entering upon such employment, and such discharge is not caused by his inability, incompetence, refusal to perform the work required or other fault, the keeper of such intelligence office shall on demand refund to him five-sixths of the amount paid to such keeper by the employer on account of such employment. [*Approved October* 8, 1908.

In Board of Aldermen, June 30, 1908.

Ordered, That the standing regulations of the Board of Aldermen with reference to "Salaries of Certain Officers," be and the same hereby are amended in the line relating to the salary of members of reserve police force, so that the same shall read as follows:—

"Members of Reserve Police Force.
First year $730.00 per year.
Second year $821.25 per year.
Third year $912.50 per year.
After third year $1,095.00 yer year."
Adopted March 23, 1909.
[*Approved March* 25, 1909.

MAYORS OF THE CITY OF CAMBRIDGE.

(From 1846 to 1909 Inclusive.)

James D. Green	From May,	1846,	to April,	1848
Sydney Willard	" April,	1848,	to April,	1851
George Stevens	" April,	1851,	to April,	1853
James D. Green	" April,	1853,	to April,	1854
*Abraham Edwards	" April,	1854,	to January,	1855
Zebina L. Raymond	" January,	1855,	to January,	1856
John Sargent	" January,	1856,	to January,	1860
†James D. Green	" January,	1860,	to July 24,	1861
‡Charles Theo. Russell	" July 31,	1861,	to January,	1863
George C. Richardson	" January,	1863,	to January,	1864
Zebina L. Raymond	" January,	1864,	to January,	1865
J. Warren Merrill	" January,	1865,	to January,	1867
Ezra Parmenter	" January,	1867,	to January,	1868
Charles H. Saunders	" January,	1868,	to January,	1870
Hamlin R. Harding	" January,	1870,	to January,	1872
Henry O. Houghton	" January,	1872,	to January,	1873
Isaac Bradford	" January,	1873,	to January,	1877
Frank A. Allen	" January,	1877,	to January,	1878
Samuel L. Montague	" January,	1878,	to January,	1880
James M. W. Hall	" January,	1880,	to January,	1881
James A. Fox	" January,	1881,	to January,	1885
William E. Russell	" January,	1885,	to January,	1889
Henry H. Gilmore	" January,	1889,	to January,	1891
Alpheus B. Alger	" January,	1891,	to January,	1893
William A. Bancroft	" January,	1893,	to January,	1897
Alvin F. Sortwell	" January,	1897,	to January,	1899
Edgar R. Champlin	" January,	1899,	to January,	1901
David T. Dickinson	" January,	1901,	to January,	1902
John H. H. McNamee	" January,	1902,	to January,	1904
Augustine J. Daly	" January,	1904,	to January,	1906
Charles H. Thurston	" January,	1906,	to January,	1907
Walter C. Wardwell	" January,	1907,	to April,	1909
William F. Brooks	" April,	1909.		

* Municipal year changed. † Resigned. ‡ First elected by the City Council.

PRESIDENTS OF THE BOARD OF ALDERMEN.

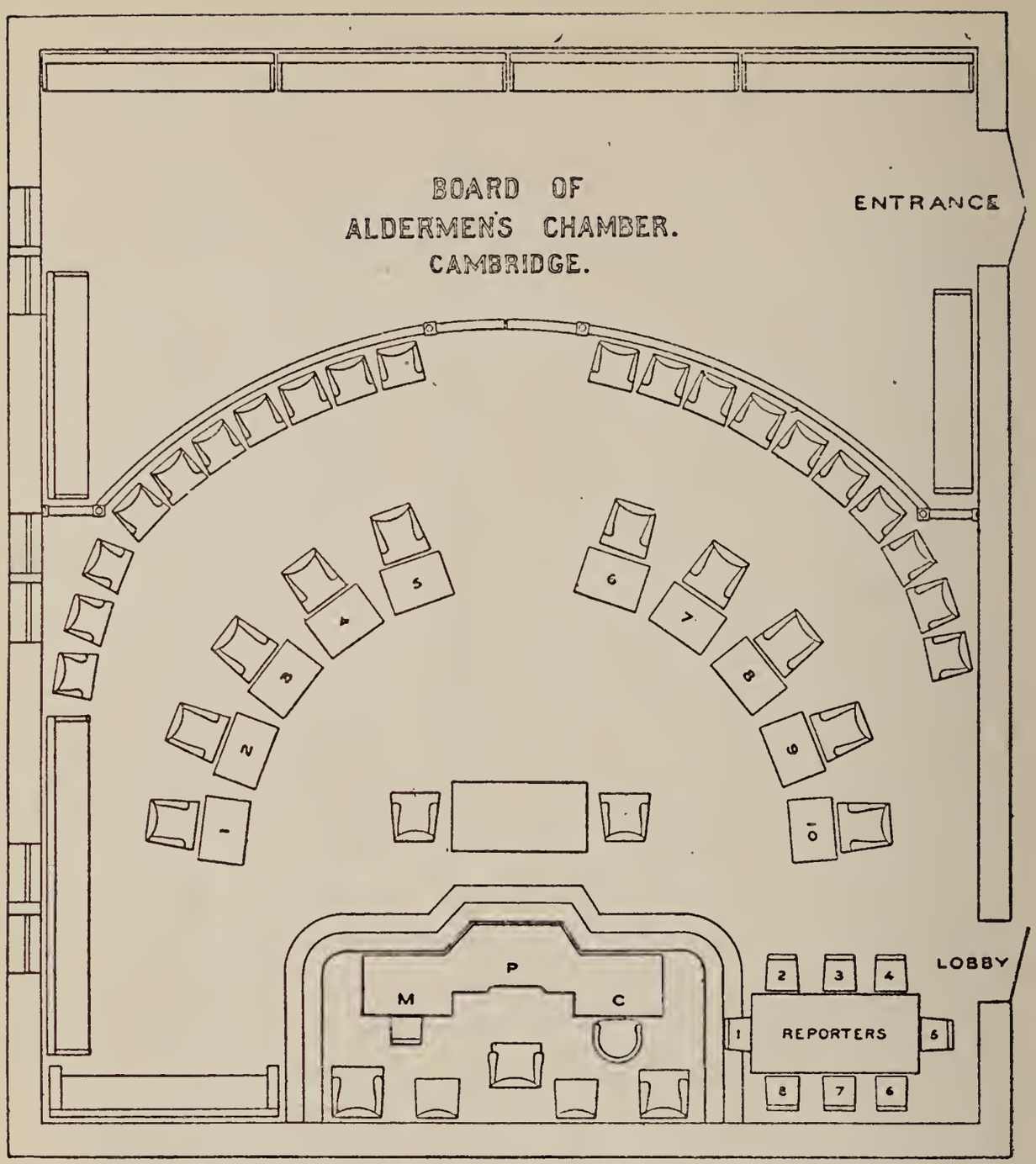
1888	Edward W. Hincks.
1889	John H. Corcoran.
1890	Alvin F. Sortwell.
1891	William A. Bancroft.
1892	William A. Bancroft.
1893	John R. Fairbairn.
1894	John G. Thorogood.
1895	John R. Fairbairn.
1896	John R. Fairbairn.
1897	Russell Bradford.
1898	Russell Bradford.
1899	Walter C. Wardwell.
1900	Walter C. Wardwell.
1901	George E. Saunders.
1902	James F. Aylward.
1903	*John W. Coveney. / Timothy W. Good.
1904	John W. Coveney.
1905	J. Edward Barry.
1906	Charles H. Lake.
1907	Charles H. Lake.
1908	Edward B. James.
1909	Edward B. James.

* John W. Coveney resigned March 10, 1903, and Timothy Good elected to the vacancy.

PRESIDENTS OF THE COMMON COUNCIL.

1846 *Isaac Livermore.
1847 *John Sargent.
1848 *John C. Dodge.
1849 *Samuel P. Heywood.
1850 *Samuel P. Heywood.
1851 *John S. Ladd.
1852 *John Sargent.
1853 *John Sargent.
1854 *John C. Dodge.
1855 *Alanson Bigelow.
1856 *Ezra Ripley. Resigned January 31.
1856 *George S. Saunders. Elected January 31.
1857 *George S. Saunders.
1858 *James C. Fisk.
1859 *James C. Fisk.
1860 *Hamlin R. Harding.
1861 *Hamlin R. Harding.
1862 *Jared Shepard. Resigned September 17.
1862 *Knowlton S. Chaffee. Elected September 24.
1863 *George S. Saunders.
1864 *George S. Saunders.
1865 *John S. March.
1866 *John S. March.
1867 *Marshall T. Bigelow.
1868 *Knowlton S. Chaffee. Resigned February 4.
1868 *Henry W. Muzzey. Elected February 4.
1869 *Henry W. Muzzey.
1870 *Joseph H. Converse.
1871 *Joseph H. Converse.
1872 *Alvaro Blodgett.
1873 *Alvaro Blodgett. Resigned June 17.
1873 Francis H. Whitman. Elected June 17.
1874 George F. Piper.
1875 George F. Piper.
1876 Frank A. Allen.
1877 *Perez G. Porter.
1878 *George S. Saunders.
1879 *George S. Saunders.
1880 *Charles Walker.
1881 *Charles Walker.
1882 George H. Howard.
1883 George H. Howard.
1884 George H. Howard.
1885 Cornelius G. H. Bennink.
1886 John H. Corcoran.
1887 John H. Corcoran.
1888 Alvin F. Sortwell.
1889 *Edward A. Bingham.
1890 *Edward A. Bingham.
1891 Edward C. Wheeler.
1892 Herbert A. Chase.
1893 J. Henry Russell.
1894 Charles M. Conant.
1895 *John L. Odiorne.
1896 *John L. Odiorne.
1897 Albert S. Apsey.
1898 George E. Saunders.
1899 William F. Brooks.
1900 John D. Merrill.
1901 John D. Merrill.
1902 Thorndike Spalding.
1903 Edward E. Clark.
1904 Harry N. Stearns.
1905 George A. Giles.
1906 George A. Giles.
1907 *Henry C. Stetson.
1907 *†Robert W. Hunter.
1908 Henry J. Winslow.
1909 Jesse W. Moreland.

*Deceased. †Elected to fill vacancy.



KEY TO
Board of Aldermen's Chamber
Cambridge
1909

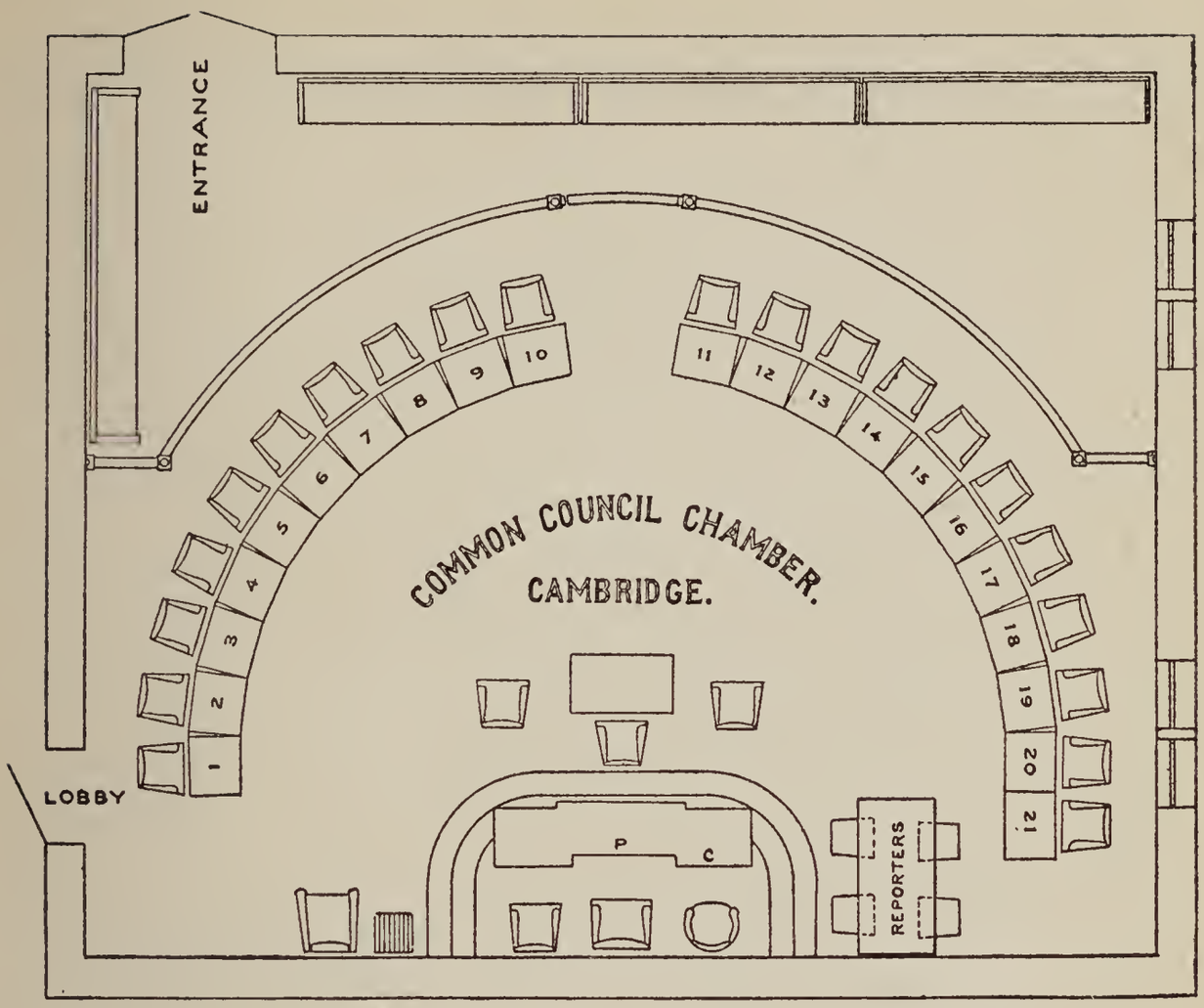
P — Edward B. James, *President.*

1.	Alderman	Beal.	6.	Alderman	Allen.
2.	"	Blanchard.	7.	"	Fallon.
3.	"	Clary.	8.	"	Brennan.
4.	"	Black.	9.	"	Quilty.
5.	"	Corkery.	10.	"	Casey.

C — Edward J. Brandon, *City Clerk.* M — Frank T. Evans, *City Messenger.*

Reporters.

1. John B. Whoriskey, Boston Globe.
2. J. Lee Robinson, Cambridge Tribune.
3. ————, Cambridge Times.
4. Henry J. Mahoney, Cambridge Sentinel.
5. Louis F. Conant, Boston Herald.
6. Harry W. Clark, Boston Journal.
7. George A. Broderick, Boston Post.
8. James W. Beau, Cambridge Chronicle.



KEY TO
Common Council Chamber
Cambridge
1909

P — Jesse W. Moreland.

1.	Councilman	Murphy.	11.	Councilman	Ward.
2.	"	Horan.	12.	"	Norris.
3.	"	Sheahan.	13.	"	Beane.
4.	"	Trodden.	14.	"	Chandler.
5.	"	O'Neil.	15.	"	Barnard.
6.	"	Nelligan.	16.	"	Burke.
7.	"	McDonald.	17.	"	Quinn.
8.	"	Carruth.	18.	"	Chase.
9.	"	Linnell.	19.	"	Bolster.
10.	"	Lincoln.	20.	"	Conant.

21. Councilman Millner.

C — Edward A. Counihan, *Clerk.* William E. McAnaul, *Page.*

Reporters.

Philip R. Ammidon, Cambridge Chronicle. Daniel J. Toomey, Cambridge Sentinel.
Archibald C. Gove, Cambridge Tribune.

GOVERNMENT OF THE CITY OF CAMBRIDGE, 1909.

Mayor

WILLIAM F. BROOKS, 68 Park Avenue.

Board of Aldermen

President,

EDWARD B. JAMES.

John Allen	42 Second Street	Ward 1
Henry W. Beal	356A Harvard Street	" 8
James F. Black	145 Willow Street	" 3
Marshall F. Blanchard	159 Upland Road	" 10
John P. Brennan	24 DeWolf Street	" 8
Joseph M. Casey	5 Cedar Square	" 11
Oliver D. Clary	103 Otis Street	" 2
Jeremiah Corkery	88 Putnam Avenue	" 7
Bernard F. Fallon	163 Brookline Street	" 6
Edward B. James	1640 Cambridge Street	" 8
Joseph P. Quilty	19 Woodbridge Street	" 11

Clerk,

EDWARD J. BRANDON.

Messenger,

FRANK T. EVANS.

Regular meetings on Tuesday evenings at 8 o'clock.

Common Council

President,

JESSE W. MORELAND.

Solomon H. Barnard	514 Putnam Avenue	Ward	6
Arthur E. Beane	50 Mt. Vernon Street	"	10
Percy N. Bolster	89 Trowbridge Street	"	8
Frederick H. Burke	76 Sixth Street	"	2
Charles E. Carruth, 2d	9 Laurel Street	"	7
Albert M. Chandler	269 Harvard Street	"	5
Benjamin F. Chase	135 Columbia Street	"	4
Louis F. Conant	22 Traymore Street	"	10
Timothy J. Horan	73 Montgomery Street	"	11
Frederick A. Lincoln	22 Lake Street	"	6
Irving N. Linnell	61 Gorham Street	"	8
John A. McDonald	100½ Gore Street	"	1
Charles H. Millner	38 Putnam Avenue	"	7
Jesse W. Moreland	159 Mt. Auburn Street	"	9
Charles F. Murphy	43 Harding Street	"	3
Peter J. Nelligan	22 Hollis Street	"	11
Forris W. Norris	45 Fayette Street	"	5
Robert H. O'Neil	6 Lamson Place	"	4
John E. Quinn	69 Thorndike Street	"	1
Daniel D. Sheahan	9A Plymouth Street	"	3
John H. Trodden	176 Spring Street	"	2
John Ward	31 Willard Street	"	9

Clerk,

EDWARD A. COUNIHAN.

Page,

WILLIAM E. MCANAUL.

Regular Meetings on Tuesday evenings at 8 o'clock.

JOINT STANDING COMMITTEES OF THE CITY COUNCIL.

Accounts. Aldermen Beal and Fallon; Councilmen Chandler, Linnell and Horan.

Assessors' Department. Aldermen Corkery and Clary; Councilmen Burke and McDonald.

City Engineering. Aldermen Fallon and Blanchard; Councilmen O'Neil, Chase and Trodden.

City Home. Aldermen Blanchard and Casey; Councilmen Lincoln, O'Neil and McDonald.

Claims. Aldermen James, Fallon, Allen and Beal; Councilmen Moreland, Chase, Millner, Norris, Murphy and Quinn.

Finance. Aldermen James, Quilty, Casey and Blanchard; Councilmen Moreland, Beane, Linnell, Chandler, Barnard and Nelligan.

Fire Department. Aldermen Quilty and Clary; Councilmen Murphy, Ward and Chase.

Health. Aldermen Blanchard and Casey; Councilmen Conant, Barnard and Nelligan.

Highways. Aldermen Quilty, Black and Brennan; Councilmen Bolster, Conant, Carruth and Sheahan.

Legal Matters. Aldermen Brennan and Beal; Councilmen Moreland, Chandler and Quinn.

Legislative Matters. Aldermen James, Brennan, Casey and Beal; Councilmen Linnell, Chase, Carruth, Sheahan, Nelligan and Trodden.

Ordinances. Aldermen Brennan and Fallon; Councilmen Lincoln, Barnard and Beane.

Parks. Aldermen Brennan and Clary; Councilmen Linnell, Ward and Trodden.

Printing. Aldermen Clary and Corkery; Councilmen Carruth, Burke and McDonald.

Public Property. Aldermen Black and Fallon; Councilmen Beane, Ward and Nelligan.

Public Instruction. Aldermen Brennan and Beal; Councilmen Chase, Millner and Burke.

Rules and Orders. Aldermen Clary and Allen; Councilmen Bolster, Millner and Murphy.

Water Supply. Aldermen James and Clary; Councilmen Horan, Norris and Ward.

Wires and Lamps. Aldermen Corkery and Allen; Councilmen Bolster, Carruth and O'Neil.

STANDING COMMITTEES OF THE BOARD OF ALDERMEN.

Bonds. Aldermen Blanchard, Casey and Clary.

Cemeteries. Aldermen Corkery, Black and Beal.

Claims. Aldermen James, Fallon, Allen and Beal.

Elections and Returns. Aldermen Allen, Blanchard and Black.

Fire Department. Aldermen Quilty, Clary and Allen.

Health. Aldermen Blanchard, Casey and Corkery.

Highways. Aldermen Quilty, Black and Brennan.

Licenses. Aldermen Corkery, Black and Fallon.

Parks. Aldermen Brennan, Clary and Corkery.

Police. Aldermen Brennan, Allen and Blanchard.

Rules and Orders. Aldermen Clary, Quilty and Allen.

Sewers. Aldermen Casey, Corkery and Allen.

Soldiers' Aid. Aldermen James, Casey, Clary, Fallon and Beal.

Street Railways. Aldermen Fallon, Brennan and Casey.

JOINT SPECIAL COMMITTEES.

Matters Referred from Last City Council. Aldermen Brennan and Beal; Councilmen Conant, Bolster, Chandler, Sheahan, Quinn and Trodden.

Mayor's Inaugural Address. Aldermen Casey, Fallon and Black; Councilmen Sheahan, Millner and Norris.

Amendments to City Charter. President James and Aldermen Casey, Clary and Beal; Councilmen Moreland, Beane, Lincoln, Carruth, Quinn and Burke.

Rapid Transit. Aldermen James, Blanchard and Allen; Councilmen, Moreland, Beane, Barnard and Horan.

SPECIAL COMMITTEE OF THE BOARD OF ALDERMEN.

Matters Referred from Last Board of Aldermen. Aldermen Black, Allen and Clary.

STANDING COMMITTEES OF THE COMMON COUNCIL.

Bills in Second Reading. Councilmen Lincoln, Horan and Norris.

Election and Returns. Councilmen O'Neil, Conant and Murphy.

Enrolled Ordinances. Councilmen Linnell, Chandler and McDonald.

COMMITTEE APPOINTMENTS OF MEMBERS OF THE BOARD OF ALDERMEN.

President James. Claims (Joint and of Aldermen), Finance, Legislative Matters, Water Supply, Amendments to City Charter, Rapid Transit, Soldiers' Aid.

Alderman Allen. Claims (Joint and of Aldermen), Matters Referred from Last Board of Aldermen, Rapid Transit, Elections and Returns, Fire Department, Police, Sewers, Rules and Orders, Wires and Lamps.

Alderman Beal. Accounts, Claims (Joint and of Aldermen), Legal Matters, Legislative Matters, Public Instruction, Matters Referred from Last City Council, Amendments to City Charter, Cemeteries, Soldiers' Aid.

Alderman Black. Highways (Joint and of Aldermen), Public Property, Matters Referred from Last Board of Aldermen, Mayor's Inaugural Address, Cemeteries, Elections and Returns, Licenses.

Alderman Blenchard. City Engineering, City Home, Finance, Health (Joint and of Aldermen), Rapid Transit, Bonds, Elections and Returns, Police.

Alderman Brennan. Highways (Joint and of Aldermen), Legal Matters, Legislative Matters, Ordinances, Parks (Joint and of Aldermen), Public Instruction, Matters Referred from Last City Council, Police, Street Railways.

Alderman Casey. City Home, Finance, Health (Joint and of Aldermen), Legislative Matters, Amendments to City Charter, Bonds, Soldiers' Aid, Street Railways, Mayor's Inaugural Address, Sewers,

Alderman Clary. Assessors, Fire Department, Parks (Joint and of Aldermen), Printing, Rules and Orders, Water Supply, Matters Referred from Last Board of Aldermen, Bonds, Soldiers' Aid.

Alderman Corkery. Assessors, Printing, Wires and Lamps, Cemeteries, Health (of Aldermen), Licenses Parks (of Aldermen), Sewers.

Alderman Fallon. Accounts, City Engineering, Claims (Joint and of Aldermen), Ordinances, Public Property, Mayor's Inaugural Address, Licenses, Soldiers' Aid, Street Railways.

Alderman Quilty. Finance, Fire Department, Highways (Joint and of Aldermen), Rules and Orders.

COMMITTEE APPOINTMENTS OF MEMBERS OF THE COMMON COUNCIL.

President Moreland. Claims, Finance, Legal Matters, Amendments to City Charter, Rapid Transit.

Councilman Barnard. Finance, Health, Ordinances, Rapid Transit.

Councilman Beane. Finance, Ordinances, Public Property, Amendments to City Charter, Rapid Transit.

Councilman Bolster. Highways, Rules and Orders, Wires and Lamps, Matters Referred from Last City Council.

Councilman Burke. Assessors, Printing, Public Instruction, Amendments to City Charter.

Councilman Carruth. Highways, Legislative Matters, Printing, Wires and Lamps, Amendments to the City Charter.

Councilman Chandler. Accounts, Finance, Legal Matters, Matters Referred from Last City Council, Enrolled Ordinances.

Councilman Chase. City Engineering, Claims, Fire Department, Legislative Matters, Public Instruction.

Councilman Conant. Health, Highways, Matters Referred from Last City Council, Elections and Returns.

Councilman Horan. Accounts, Water Supply, Rapid Transit, Bills in Second Reading.

Councilman Lincoln. City Home, Ordinances, Amendments to City Charter, Bills in Second Reading.

Councilman Linnell. Accounts, Finance, Legislative Matters, Parks, Enrolled Ordinances.

Councilman McDonald. Assessors, City Home, Printing, Enrolled Ordinances.

Councilman Millner. Claims, Rules and Orders, Mayor's Inaugural Address, Public Instruction.

Councilman Murphy. Claims, Fire Department, Rules and Orders, Elections and Returns.

Councilman Nelligan. Finance, Health, Legislative Matters, Public Property.

Councilman Norris. Claims, Water Supply, Mayor's Inaugural Address, Bills in Second Reading.

Councilman O'Neil. City Engineering, City Home, Wires and Lamps, Elections and Returns.

Councilman Quinn. Claims, Legal Matters, Matters Referred from Last City Council, Amendments to City Charter.

Councilman Sheahan. Highways, Legislative Matters, Matters Referred from Last City Council, Mayor's Inaugural Address.

Councilman Trodden. City Engineering, Legislative Matters, Parks, Matters Referred from Last City Council.

Councilman Ward. Fire Department, Parks, Public Property, Water Supply.

DEPARTMENTS AND BOARDS

EXECUTIVE DEPARTMENT.

WILLIAM F. BROOKS . . . . . *Mayor.*
Edward A. Counihan . . . . *Mayor's Clerk.*
Office Hours: 8 A. M. to 4 P. M.
Office, Rooms 17 and 18, City Hall. Telephone 463.

CITY CLERK DEPARTMENT.

EDWARD J. BRANDON . . . . . *City Clerk.*
Albert M. Pear . . . . . *Assistant City Clerk.*
Office Hours: 8 A. M. to 4 P. M.
Office, Rooms 8 and 9, City Hall. Telephone 419.

TREASURY DEPARTMENT.

WILLIAM W. DALLINGER *City Treasurer and Collector of Taxes.*
Office Hours: 8 A. M. to 2 P. M.
Office, Rooms 3 and 4, City Hall. Telephone 602.

AUDITING DEPARTMENT.

HARRY T. UPHAM . . . . . *City Auditor.*
Office Hours: 8 A. M. to 4 P. M.
Office, Rooms 1 and 2, City Hall. Telephone 1001.

CLERK OF COMMITTEES DEPARTMENT.

JOHN MCDUFFIE . . . . . *Clerk of Committees.*
Eben W. Pike . . . . . *Assistant.*
Office Hours: 8 A. M. to 4 P. M.
Office, Room 16, City Hall. Telephone 818.

CITY MESSENGER DEPARTMENT.

FRANK T. EVANS . . . . . *City Messenger.*
William E. McAnaul . . . . *Assistant.*
Office Hours: 8 A. M. to 5 P. M.
Office, Room 20, City Hall. Telephone 1900.

LAW DEPARTMENT.

GILBERT A. A. PEVEY . . . . . *City Solicitor.*

Office Hours (at City Hall): 8 A. M. to 12 M.

Office, Room 17, City Hall. Telephone 463.

Boston Office, 22 Pemberton Square. Telephone 1071, Haymarket.

ENGINEERING DEPARTMENT.

LEWIS M. HASTINGS . . . . . *City Engineer.*

THEODORE L. PIKE . . . . *Supt. of Sewers.*

Office Hours: 8 A. M. to 5 P. M.

Office, Rooms 30 and 31, City Hall. Telephone 471.

FIRE DEPARTMENT.

NATHANIEL W. BUNKER . . . . *Chief.*

JAMES M. CASEY . . . . . *Assistant Chief.*

Office Hours: 9 A. M. to 10 P. M.

Office, Room 28, City Hall. Telephones 125 and 1900.

INSPECTION, ETC., OF BUILDINGS DEPARTMENT

THOMAS F. TRACY,

Superintendent of Public Buildings and Inspector of Buildings

Office Hours: 8 A. M. to 4 P. M.

Office, Room 28, City Hall. Telephone 125.

HEALTH DEPARTMENT — BOARD OF HEALTH.

CHARLES H. THOMAS, M.D. . . . *Chairman.*

Term, three years.

CHARLES H. THOMAS, M.D. . . . Term expires 1910.

ELIE H. LA PIERRE . . . . Term expires 1911.

JEREMIAH S. SULLIVAN . . . . Term expires 1912.

KITTIE L. MAGOUN . . . . *Secretary.*

JAMES B. SOPER . . . . . *Clerk.*

BRADFORD H. PEIRCE, M.D. . . . *Medical Inspector.*

JOSEPH L. JOHNSON . . . . *Insp'tor of Provisions.*

Office Hours: 8 A. M. to 4 P. M.

Rooms 45 and 26, City Hall. Telephone 345.

POLICE DEPARTMENT.

FRED B. PULLEN . . . . . *Chief of Police.*
Office Hours: 8 A. M. to 6 P. M.
Office at Central Square Building. Telephone 423.

STREET DEPARTMENT.

EDWARD W. QUINN . . . . *Supt. of Streets.*
John H. Holt . . . . *Clerk.*
Office Hours: 8 A. M. to 4 P. M.
Office, Room 12, City Hall. Telephone 435.

INSPECTOR OF MILK.

ERNEST H. SPARROW, M.D. . . . *Inspector of Milk.*
Office Hours: 8 to 11 A. M.
Office, Room 27, City Hall. Telephone 345.

ASSESSORS DEPARTMENT—BOARD OF ASSESSORS.

Term, three years.

JEREMIAH F. DONOVAN . . . . Term expires 1910.
DANIEL B. SHAUGHNESSY, *Chairman* . Term expires 1911.
TIMOTHY W. GOOD, *Secretary* . . . Term expires 1912.
Office Hours: 8 A. M. to 4 P. M.
Office, Rooms 21 and 22, City Hall. Telephone 244.

CITY ELECTRICAL DEPARTMENT.

TIMOTHY C. O'HEARN . . . . *City Electrician.*
Office Hours: 8 A. M. to 4 P. M.
Office, Room 28, City Hall. Telephone 125.
Central Fire Alarm Office, Telephone 363.

INSPECTOR OF ANIMALS DEPARTMENT.

CHARLES E. HADCOCK, M.D.V. . . *Inspector of Animals.*
Residence, 25 Dana Street. Telephone 662.
(No office or hours.)

BRIDGE DEPARTMENT.

FRANCIS J. SMITH . . . . . *Bridge Commissioner.*
Office Hours: 8 A. M. to 4 P. M.
Office, Room 12, City Hall. Telephone 435.

SEALER OF WEIGHTS AND MEASURES DEPARTMENT.

MANUEL ANDREW . . . . . *Sealer.*
Emery T. Morris . . . . *Deputy Sealer.*
Office Hours: Fridays, 8 A. M. to 4 P. M.; Saturdays, 8 A. M. to 12 M.
Office, Brattle Square Building. Telephone 509-1.

CITY PHYSICIAN.

WILLIAM G. BROUSSEAU.
Residence, 2222 Massachusetts Avenue. Telephone 1285.
Office, Central Square Building.
Office Hours: Daily, 9 to 11 A. M. Telephone 660.

FENCE VIEWERS.

Lewis M. Hastings . . . . . City Hall.
Thomas F. Tracy . . . . . City Hall.
Telephones 471, 125.

SCHOOL COMMITTEE.

WILLIAM F. BROOKS, Mayor . . . *Chairman, ex-officio.*
JOSEPH H. BEALE, Jr. . . . . *Chairman.*

At Large.

Joseph H. Beale, Jr., 29 Chauncey Street. Term expires 1912.
Jeremiah F. Downey, 200 Elm Street. Term expires 1911.

District No. 1.

Frederick W. McMenimen, 100 Winter Street. Term expires 1912.
J. Henry Russell, 176 Hancock Street. Term expires 1911.
Florence Lee Whitman, 23 Everett Street. Term expires 1910.

Secretary and School Supply Agent.
SANFORD B. HUBBARD.

Superintendent of Schools.

WILLIAM C. BATES.

Office Hours: 8.30 A. M. to 5 P. M.

Office, Rooms 13, 14 and 15, City Hall. Telephone 445.

CEMETERY DEPARTMENT — CEMETERY COMMISSIONERS.

Term, three years.

William A. Bertsch	Term expires 1910.
Gustave Wilson	Term expires 1910.
David A. Barber	Term expires 1911.
Roswell Wetherbee	Term expires 1911.
John S. Sheridan	Term expires 1912.
George T. Quinn	Term expires 1912.

EDWARD J. BRANDON . . . . *Clerk of the Board.*

Office, Rooms 8 and 9, City Hall. Telephone 419.

GEORGE D. FORD . . . . . *Supt. of the Cemetery.*

JOHN J. MCKENZIE . . . . *Clerk of the Cemetery.*

Office Hours: At Cemetery, 8 A. M. to 5 P. M.

Office at Cemetery on Coolidge Avenue. Telephone 289-3.

PERSON TO CAUSE TO BE PROPERLY INTERRED THE BODIES OF SOLDIERS AND SAILORS.

EBEN W. PIKE.

Office, Room 16, City Hall. Telephone 818.

PUBLIC LIBRARY DEPARTMENT — TRUSTEES OF CAMBRIDGE PUBLIC LIBRARY.

EDWARD C. WHEELER . . . . *President.*

For one year.

William Taggard Piper, of School Committee.

Citizens at Large. Term, three years.

William J. Rolfe	Term expires 1910.
Edward C. Wheeler	Term expires 1910.
Thomas F. Dolan	Term expires 1911.
John F. Walsh	Term expires 1911.
Thomas N. Carver	Term expires 1912.
Edward P. Collier	Term expires 1912.

William Taggard Piper . . .	*Treasurer.*
Clarence W. Ayer	*Sec'y and Librarian.*

Library Open: 10 A. M. to 8 P. M.
Reading Room: 10 A. M. to 10 P. M.
Sunday, 2 to 10 P. M.

Office at Library Building, Broadway, Irving and Trowbridge Streets. Telephone 610.

WATER WORKS DEPARTMENT — CAMBRIDGE WATER BOARD.

Alvin F. Sortwell	*President.*

Term, five years.

George H. Howard	Term expires 1910.
Alvin F. Sortwell	Term expires 1911.
Andrew J. Rady	Term expires 1912.
John F. O'Brien	Term expires 1913.
Joseph E. Doherty	Term expires 1914.

Walter H. Harding	*Clerk of the Board.*
Edwin C. Brooks	*Supt. of Water Works.*
Walter H. Harding	*Water Registrar.*

Office Hours: 8 A. M. to 4 P. M.
Office, Rooms 5 and 6, City Hall. Telephone 430.

REGISTRARS OF VOTERS.

Frederick W. Macdonald . . .	*Chairman.*

Term, four years.

Frederick W. Macdonald . . .	Term expires 1910.
George W. Turnbull	Term expires 1911.
John P. McCormick	Term expires 1912.
Albert H. Hall	Term expires 1913.
Albert H. Hall	*Clerk.*

Office at Central Square Building. Telephone 1027-3.

PARK DEPARTMENT — PARK COMMISSIONERS.

GEORGE HOWLAND COX . . . . . *President.*

Term, three years.

George Howland Cox . . . . . Term expires 1910.
William M. Wadden . . . . . Term expires 1911.
David J. Nelligan . . . . . Term expires 1912.
WILLIAM M. WADDEN . . . . . *Secretary.*
JOHN F. DONNELLY . . . . . *General Superint'dent.*

Office Hours: 8 A. M. to 4 P. M.
Office, Room 11, City Hall. Telephone 650.

SINKING FUND DEPARTMENT — COMMISSIONERS OF THE SINKING FUND.

FRANK A. ALLEN . . . . . *Chairman.*

Term, three yers.

Frank A. Allen . . . . . Term expires 1910.
Thomas F. Royle . . . . . Term expires 1910.
Gustavus Goepper . . . . . Term expires 1911.
George H. Howard . . . . . Term expires 1911.
James O'Brien . . . . . Term expires 1912.
George G. Wright . . . . . Term expires 1912.
JOHN MCDUFFIE . . . . . *Secretary.*
WILLIAM W. DALLINGER . . . . *Treasurer.*

OVERSEERS OF THE POOR DEPARTMENT — OVERSEERS OF THE POOR.

HENRY H. WINSLOW . . . . . *Chairman.*

Term, five years.

John R. McCool . . . . . Term expires 1910.
Henry H. Winslow . . . . . Term expires 1911.
Patrick J. Callaghan . . . . . Term expires 1912.
James F. Mullen . . . . . Term expires 1913.
George P. O'Brien . . . . . Term expires 1914.

DAVID P. MUZZEY . . . . . *Secretary.*
CHARLES E. GOODROW . . . . . *Supt. of City Home.*

Office Hours, at Central Square Building, 8 A. M. to 4 P. M.
Telephones: Office 660, City Home 189.

BOARD OF APPEAL.

CLARENCE H. BLACKALL . . . . *Chairman.*

Term, three years.

Harry N. Stearns . . . . . Term expires 1909.
Clarence H. Blackall (Architect) . . Term expires 1910.
John B. Byrne (Master Builder) . . Term expires 1911.
William H. Sheridan . . . . . Secretary.

Office, Room 28, City Hall. Telephone 125.

AGENT FOR COMMITTEE ON SOLDIERS' AID.

EBEN W. PIKE.

Office Hours: 8 A. M. to 4 P. M.
Office, Room 16, City Hall. Telephone 818.

TRUSTEES OF THE DOWSE INSTITUTE.

FRANK A. ALLEN . . . . . *President.*
William F. Brooks, Mayor . . . *Ex-officio.*
Jesse W. Moreland, Pres. of Common Council *Ex-officio.*
George Howland Cox, Willard A. Bullard,
Frank A. Allen.
GEORGE HOWLAND COX . . . . *Secretary.*

TRUSTEES OF THE SANDERS TEMPERANCE FUND AND BRIDGE CHARITABLE FUND.

William F. Brooks, Mayor; Edward B. James, President of the Board of Aldermen; Jesse W. Moreland, President of the Common Council, *ex-officiis.*

PERSON TO RECEIVE INFORMATION OF DAMAGE BY DOGS.

(Ch. 102, Sect. 151, Revised Laws.)
FREDERICK B. PULLEN.

CONSTABLES.

(Without power to serve civil process.)

Fred Bailey,
William Barber,
George J. Blaisdell,
Edward Brady,
Lucian S. Cabot,
John Carmichael,
Patrick Carroll,
John J. Creedon,
Charles H. Dolloff,
Charles E. Getchell,
John Good,
Charles E. Goodrow,
Frank A. Hagar,
Fred M. Harrington,
James Hicks,
Thomas A. Hughes,
Joseph James,
John A. Jackson,
Hugh H. Keenan,
Francis D. Lehan,
Charles A. Lincoln,
Peter Malone,
Felix C. McBride,
John McDonald,
Francis A. McLaughlin,
William R. Mitchell,
Emery T. Morris,
David J. Nelligan,
William H. Porter,
Burrill Ridley,
Thomas F. Riley,
John J. Roach,
George Smyth,
William J. Sullivan,
John Taylor,
George E. Verrill,
Frank H. Wait.

CONSTABLES.

(With power to serve civil process.)

James J. Connell,
John Foster,
Joseph Fox,
James E. Lennon,
Felix Lopez,
William F. McCormick,
Thomas J. McGowan,
Andrew H. McKee,
Arthur M. Stewart,
Gilmore B. Creelman,
John E. Quin,
Alexander M. Wight,
Albert Gertson.

POUND KEEPER.

Robert Holden.

COMMITTEE FOR THE PRESERVATION OF FISH.

Theodore L. Pike,
Edwin C. Brooks.

INSPECTORS OF JUNK SHOPS.

Pawnbrokers' Shops and Second-Hand Stores and Dealers.

John J. McBride,
James E. Murray,
John F. Murray,
Patrick J. Hurley.

HAY WEIGHERS.

Frank W. Bartlett,
William N. Neally,
George M. David.
John N. Bolster.

INSPECTOR OF PRESSED OR BUNDLED HAY OR STRAW.

Harvey O. Titus.

PUBLIC WEIGHERS.

Francis E. Bailey,
Robert C. Bird,
Ernest E. Bradbury,
William A. Cheyne,
Theodore P. Clark,
Dennis T. Coffey,
Ernest Croake,
Clyde E. Crozier,
Edward B. Dale,
William H. Delaney,
John E. Fay,
Frank Finnick,
Alexander S. Ford,
John P. Healy,
Robert Holden,
John H. Holt,
James Knowles,
Neil Macdonald,
Fred W. MacFarland,
Melvin MacFarland,
William Maloney,
Martin McMahon,
August Pawlowski,
John F. Reilly,
Manuel M. Rogers,
Alexander Russell,
Mathieson L. Scorgie,
Edward F. Sullivan,
John M. Thayer,
James J. Travers,
William Varney,
Orne Vose,
James A. Whelan.

MEASURERS OF GRAIN.

(One or more.)

Manuel Andrew,
Emery T. Morris.

SURVEYOR OF MECHANICS' WORK.

Charles A. Mason.

KEEPER OF LOCK-UPS.

Frederick B. Pullen.

STATE AND CITY ELECTIONS

HELD

NOVEMBER 3, 1908, and MARCH 9, 1909,

RESPECTIVELY

AS CORRECTED BY RECOUNTS.

VOTES CAST FOR PRESIDENT AND VICE-PRESIDENT, GOVERNOR AND OTHER STATE OFFICERS, CONGRESSMAN, COUNCILLORS, SENATORS, REPRESENTATIVES IN THE GENERAL COURT, COUNTY COMMISSIONERS, ASSOCIATE COMMISSIONERS, REGISTER OF PROBATE; ALSO FOR CITY OFFICERS, AND ON SUNDRY QUESTIONS.

NATIONAL ELECTION, NOVEMBER 3, 1908.

WARD	PREC'T	Whole Number of Ballots Cast.	PRESIDENT. Bryan and Kern, Dem.	Chafin and Walkins, Pro.	Debs and Hanford, Soc.	Gillhaus and Munro, S. L.	Hisgen and Graves, I. L.	Taft and Sherman, Rep.	CONGRESSMAN. Frederick S. Deitrick, Dem.	George W. Jennings, I. L.	Samuel W. McCall, Rep.	Blank.
1.....	1.....	388	295	.....	7	....	6	63	289	6	41	52
1.....	2.....	370	237	.....	5	....	13	92	233	15	71	51
	Totals..	758	532	.....	12	....	19	155	522	21	112	103
2.....	1.....	421	309	.....	2	1	11	78	290	10	61	60
2.....	2.....	331	240	1	2	....	8	67	229	9	35	58
	Totals..	752	549	1	4	1	19	145	519	19	96	118
3.....	1.....	317	228	1	7	....	11	55	216	8	34	59
3.....	2.....	258	207	.....	4	....	2	36	189	4	29	36
3.....	3.....	349	215	2	5	....	10	100	213	10	75	51
3.....	4.....	294	205	1	2	....	5	73	200	8	61	25
	Totals..	1,218	855	4	18	....	28	264	818	30	199	171
4.....	1.....	209	131	2	4	....	4	53	129	4	45	31
4.....	2.....	273	108	3	6	....	11	133	113	10	128	22
4.....	3.....	267	97	2	9	....	9	139	97	8	131	31
4.....	4.....	304	100	4	9	....	14	164	95	13	161	35
	Totals..	1,053	436	11	28	....	38	489	434	35	465	119
5.....	1.....	316	176	1	4	....	16	114	160	13	109	34
5.....	2.....	357	159	4	4	....	5	174	155	10	154	38
5.....	3.....	398	82	5	2	....	3	297	90	4	287	17
5.....	4.....	385	47	5	6	....	10	310	44	15	303	23
	Totals..	1,456	464	15	16	....	34	895	449	42	853	112
6.....	1.....	314	91	5	14	....	9	180	87	19	159	49
6.....	2.....	379	105	1	7	....	15	242	98	22	227	32
6.....	3.....	404	156	4	10	....	10	215	155	16	196	37
6.....	4.....	407	68	14	3	1	14	304	69	10	303	34
	Totals..	1,504	420	24	34	1	48	941	400	67	885	152
7.....	1.....	391	145	3	9	....	11	209	133	13	218	27
7.....	2.....	344	162	6	.....	1	10	152	152	8	149	35
7.....	3.....	469	81	7	4	....	10	354	74	12	338	45
7.....	4.....	343	100	8	5	....	13	205	101	10	188	44
	Totals..	1,547	488	24	18	1	44	920	460	43	893	151
8.....	1.....	422	115	5	5	....	14	273	122	15	255	30
8.....	2.....	467	103	6	3	....	8	346	96	12	328	31
8.....	3.....	429	268	.....	2	....	10	125	265	10	107	47
	Totals..	1,318	486	11	10	....	32	744	483	37	690	108
9.....	1.....	491	95	3	4	....	6	377	112	14	346	19
9.....	2.....	440	161	1	4	....	7	251	165	9	243	23
9.....	3.....	377	152	.....	4	....	5	211	154	8	190	25
	Totals..	1,308	408	4	12	....	18	839	431	31	779	67
10.....	1.....	315	79	3	2	1	11	313	94	9	303	9
10.....	2.....	356	58	3	6	2	5	277	73	6	264	13
10.....	3.....	280	177	1	3	....	10	79	183	11	56	30
	Totals..	1,051	314	7	11	3	26	669	350	26	623	52
11.....	1.....	447	111	2	7	....	13	305	124	16	285	22
11.....	2.....	427	241	.....	7	....	10	156	239	8	138	42
11.....	3.....	364	258	.....	7	....	14	72	246	8	67	43
	Totals..	1,238	610	2	21	....	37	533	609	32	490	107
Grand	Totals..	13,203	5,562	103	183	6	343	6,594	5,475	383	6,085	1,260

Pro.—Prohibition. S. L.—Socialist Labor. Rep.—Republican.
Dem.—Democratic. I. L.—Independence League. Soc.—Socialist.

STATE ELECTION, NOVEMBER 3, 1908.

		CANDIDATES FOR GOVERNOR.								FOR LIEUTENANT GOVERNOR.							FOR SECRETARY.						
		James F. Carey, Soc.	Eben S. Draper, Rep.	Walter J. Hoar, S. L.	William N. Osgood, I. L.	James H. Vahey, Dem.	William O. Wylie, Pro.	Hazard Stevens.	Blank.	Charles J. Barton, Dem.	Joao Claudino, S. L.	Louis A. Frothingham, Rep.	John Hall, Jr., Soc.	Robert J. McCartney, I. L.	Frank N. Rand, Pro.	Blank.	James F. Aylward, Dem.	Herbert B. Griffin, Pro.	George Nelson, S. L.	William M. Olive, Rep.	Squire E. Putney, Soc.	John F. Williams, I. L.	Blank.
WARD	PREC'T																						
1.....	1.....	6	30	0	8	308	1		35	280	1	32	6	8	2	59	285	0	1	29	4	6	63
1.....	2.....	5	57	0	14	263	0		31	226	1	66	4	18	0	55	236	2	1	58	5	10	58
	Totals..	11	87	0	22	571	1		66	506	2	98	10	26	2	114	521	2	2	87	9	16	121
2.....	1.....	5	52	4	16	306	6		32	282	4	59	3	13	2	58	269	2	3	53	4	6	84
2.....	2.....	7	34	1	7	255	1		26	225	1	39	2	9	2	53	225	1	1	32	2	8	62
	Totals..	12	86	5	23	561	7		58	507	5	98	5	22	4	111	494	3	4	85	6	14	146
3.....	1.....	9	25	0	12	233	4		34	205	3	30	4	10	1	64	215	4	4	25	5	6	58
3.....	2.....	6	15	0	2	211	0		24	194	0	17	5	1	0	41	193	1	0	14	5	3	42
3.....	3.....	9	71	1	13	238	4		13	193	3	74	8	22	2	47	210	1	4	62	5	13	54
3.....	4.....	5	52	1	7	206	1		22	190	0	60	2	8	1	32	197	3	1	54	4	8	27
	Totals..	29	163	2	34	888	9		93	782	6	181	20	41	4	184	815	9	9	155	19	30	181
4.....	1.....	7	36	0	3	138	2		23	127	0	42	3	3	1	33	129	0	0	41	4	3	32
4.....	2.....	7	109	0	12	123	5		17	108	0	121	4	10	1	29	118	3	2	111	3	6	30
4.....	3.....	5	118	1	16	110	1		16	91	1	127	6	12	1	29	94	1	1	124	5	9	33
4.....	4.....	7	141	0	16	112	3		25	93	0	157	8	11	1	34	99	3	1	148	6	11	36
	Totals..	26	404	1	47	483	11		81	419	1	447	21	36	4	125	440	7	4	424	18	29	131
5.....	1.....	3	100	1	15	182	0		15	164	0	107	1	13	0	31	178	1	1	85	1	11	39
5.....	2.....	4	134	0	9	189	5		16	170	0	142	4	7	6	28	161	6	1	137	2	9	41
5.....	3.....	3	278	1	6	93	9		8	87	0	280	4	5	6	16	95	4	0	276	1	4	18
5.....	4.....	5	289	0	19	54	4		14	38	1	304	5	14	5	18	42	5	1	295	4	11	27
	Totals..	15	801	2	49	518	18		53	459	1	833	14	39	17	93	476	16	3	793	8	35	125

6.....	1.....	12	142	2	14	111	3		30	84	4	145	16	15	4	46	92	1	3	145	12	8	53
6.....	2.....	13	203	2	33	107	3		18	91	2	217	10	22	4	33	101	4	2	200	11	22	39
6.....	3.....	15	171	0	17	170	4		27	153	0	188	9	13	3	38	166	2	4	179	9	4	40
6.....	4.....	7	268	3	21	75	15		18	62	2	289	3	15	19	17	71	11	2	282	3	9	29
	Totals..	47	784	7	85	463	25		93	390	8	839	38	65	30	134	430	18	11	806	35	43	161
7.....	1.....	12	174	1	27	160	3		14	142	2	195	12	18	1	21	150	0	1	192	12	9	27
7.....	2.....	5	128	0	13	169	4		25	150	1	144	1	10	5	33	158	5	2	133	0	6	40
7.....	3.....	8	310	0	22	92	13		24	76	1	324	6	16	11	35	83	11	0	320	7	11	37
7.....	4.....	6	160	1	21	121	8		26	101	0	176	5	12	8	41	111	11	5	160	3	10	43
	Totals..	31	772	2	83	542	28		89	469	4	839	24	56	25	130	502	27	8	805	22	36	147
8.....	1.....	9	241	0	19	124	6		23	110	0	257	7	18	5	25	119	4	7	239	6	13	34
8.....	2.....	5	310	5	13	110	5		19	83	1	332	4	12	4	31	102	6	2	311	2	9	35
8.....	3.....	3	98	1	11	282	2		32	261	2	107	3	12	1	43	267	2	2	103	2	8	45
	Totals..	17	649	6	43	576	13		74	454	3	696	14	42	10	99	488	12	11	653	10	30	114
9.....	1.....	3	347	4	14	106	4	1	12	92	4	363	3	8	8	13	104	10	1	344	2	9	21
9.....	2.....	4	238	0	7	172	5		14	153	0	250	3	5	2	27	163	2	2	237	3	5	28
9.....	3.....	6	178	1	5	160	6		21	147	3	181	5	11	2	28	148	2	1	181	5	7	33
	Totals..	13	763	5	26	438	15	1	47	392	7	794	11	24	12	68	415	14	4	762	10	21	82
10.....	1.....	3	293	3	14	86	5		11	87	1	301	4	10	3	9	86	1	3	301	3	6	15
10.....	2.....	3	265	2	5	62	7		12	59	2	274	4	4	2	11	63	3	4	260	4	2	20
10.....	3.....	3	54	0	7	195	2		19	166	0	60	2	6	2	44	181	0	3	57	2	7	30
	Totals..	9	612	5	26	340	14		42	312	3	635	10	20	7	64	330	4	10	618	9	15	65
11.....	1.....	2	283	0	18	122	4		18	117	1	288	2	16	2	21	110	2	1	291	3	13	27
11.....	2.....	6	132	0	15	250	0		24	227	1	142	7	13	0	37	237	1	5	130	6	7	41
11.....	3.....	5	42	1	17	261	0		38	239	0	52	6	10	0	57	246	0	1	49	6	11	51
	Totals..	13	457	1	50	633	4		80	583	2	482	15	39	2	115	593	3	7	470	15	31	119
Grand Totals..		223	5,578	36	488	5,956	145	1	776	5,273	42	5,942	182	410	117	1,237	5,504	115	73	5,658	161	300	1,392

Pro.—Prohibition.
Rep.—Republican.
S. L.—Socialist Labor.
I. L.—Independence League.
Soc.—Socialist.
Dem.—Democratic.

STATE ELECTION, NOVEMBER 3, 1908 — *Continued.*

		FOR TREASURER.							FOR AUDITOR.							FOR ATTORNEY GENERAL.						
WARD	PREC'T	Charles E. Butterworth, I. L.	Arthur B. Chapin, Rep.	Henry C. Hess, S. L.	Charles C. Hitchcock, Soc.	Edward Kendall, Pro.	Edwin H. Kennedy, Dem.	Blank.	Frank Bohmbach, S. L.	John E. Dempsey, I. L.	George G. Hall, Soc.	Wilbur D. Moore, Pro.	Henry E. Turner, Rep.	Simeon Viger, Dem.	Blank.	Henry M. Dean, Pro.	Elliot C. Harding, S. L.	Dana Malone, Rep.	John McCarty, Soc.	Richard J. Talbot, I. L.	John Alden Thayer, Dem.	Blank.
1.....	1.....	10	30	1	5	5	262	75	1	10	4	2	29	252	90	1	1	28	4	7	269	78
1.....	2.....	15	65	0	5	4	209	72	0	15	4	4	65	192	90	2	0	69	5	12	216	66
	Totals....	25	95	1	10	9	471	147	1	25	8	6	94	444	180	3	1	97	9	19	485	144
2.....	1.....	15	55	7	4	3	238	99	7	12	4	1	55	223	119	4	5	53	5	11	240	103
2.....	2.....	9	33	0	2	3	205	79	0	9	3	2	33	187	97	1	2	31	1	8	206	82
	Totals....	24	88	7	6	6	443	178	7	21	7	3	88	410	216	5	7	84	6	19	446	185
3.....	1.....	4	28	4	5	4	182	90	1	8	5	2	26	175	100	1	3	28	3	6	189	87
3.....	2.....	1	13	0	6	2	180	56	0	1	8	0	14	174	61	0	1	14	6	1	180	56
3.....	3.....	10	65	5	5	5	187	72	1	12	7	3	62	178	86	2	2	61	8	12	189	75
3.....	4.....	10	55	1	3	2	179	44	1	10	3	3	57	172	48	1	1	59	4	9	178	42
	Totals....	25	161	10	19	13	728	262	3	31	23	8	159	699	295	4	7	162	21	28	736	260
4.....	1.....	3	40	0	4	2	122	38	0	5	4	0	43	112	45	2	1	41	6	3	116	40
4.....	2.....	9	118	0	3	5	96	42	0	9	4	3	115	98	44	5	0	114	5	8	103	38
4.....	3.....	11	120	3	7	5	74	47	1	13	6	1	123	71	52	1	1	124	6	13	77	45
4.....	4.....	15	145	0	5	9	85	45	2	14	5	3	146	85	49	2	0	139	5	18	88	52
	Totals....	38	423	3	19	21	377	172	3	41	19	7	427	366	190	10	2	418	22	42	384	175
5.....	1.....	13	100	1	1	2	150	49	2	13	2	3	92	147	57	1	1	95	1	12	156	50
5.....	2.....	8	131	0	3	9	154	52	2	8	1	5	135	142	64	5	1	132	3	55	115	46
5.....	3.....	7	279	0	1	10	77	24	0	5	3	5	281	76	28	8	2	277	1	6	83	21
5.....	4.....	16	292	1	5	10	29	32	2	14	5	7	293	28	36	4	2	291	4	14	42	28
	Totals....	44	802	2	10	31	410	157	6	40	11	20	801	393	185	18	6	795	9	87	396	145

6	1	12	145	2	14	40	39	62	1	18	18	3	147	67	60	4	5	141	15	15	74	60
6	2	22	215	1	9	7	81	44	2	22	11	5	210	73	56	5	2	205	13	20	84	50
6	3	9	182	0	9	15	139	50	2	14	10	6	179	128	65	6	0	171	8	8	147	64
6	4	15	279	2	4	21	51	35	1	15	4	13	287	51	36	14	4	283	3	14	55	34
	Totals	58	821	5	36	83	310	191	6	69	43	27	823	319	217	29	11	800	39	57	360	208
7	1	15	199	3	10	3	122	39	4	11	10	3	196	122	45	6	4	195	9	13	132	32
7	2	10	133	1	0	8	143	49	2	9	1	5	140	133	54	6	1	139	3	8	140	47
7	3	14	316	0	7	22	61	49	0	14	7	12	322	58	56	18	0	315	6	11	65	54
7	4	12	172	0	2	20	82	55	1	11	6	8	173	83	61	10	0	167	4	12	90	60
	Totals	51	820	4	19	53	408	192	7	45	24	28	831	396	216	40	5	816	22	44	427	193
8	1	15	250	0	7	10	106	34	1	13	6	5	254	99	44	6	1	241	7	15	111	41
8	2	9	309	1	4	15	78	51	2	10	5	9	311	80	50	9	1	300	5	9	98	45
8	3	10	105	0	2	10	235	67	0	12	4	4	97	231	81	3	2	96	3	10	243	72
	Totals	34	664	1	13	35	419	152	3	35	15	18	662	410	175	18	4	637	15	34	452	158
9	1	7	361	3	2	9	89	20	2	6	3	7	354	87	32	6	2	344	4	11	102	22
9	2	8	242	0	3	6	141	40	1	9	3	4	239	132	52	3	0	239	4	7	144	43
9	3	12	177	3	5	3	134	43	0	10	7	1	183	131	45	1	0	176	5	11	140	44
	Totals	27	780	6	10	18	364	103	3	25	13	12	776	350	129	10	2	759	13	29	386	109
10	1	11	305	2	3	8	69	17	2	7	3	6	306	76	15	5	2	295	3	11	83	16
10	2	1	267	2	3	5	55	23	2	3	4	6	264	54	23	3	2	267	4	2	57	21
10	3	9	60	1	4	40	128	38	10	1	2	1	61	162	43	2	0	60	3	12	170	33
	Totals	21	632	5	10	53	252	78	14	11	9	13	631	292	81	10	4	622	10	25	310	70
11	1	12	290	0	4	5	100	36	0	12	6	1	292	96	40	4	3	283	3	10	109	35
11	2	11	130	2	9	1	214	60	5	14	7	1	130	206	64	3	1	134	10	10	218	51
11	3	10	55	1	6	1	220	71	1	10	9	2	57	216	69	2	2	54	8	11	219	68
	Totals	33	475	3	19	7	534	167	6	36	22	4	479	518	173	9	6	471	21	31	546	154
Grand Totals		380	5,761	47	171	329	4,716	1,799	59	379	194	146	5,771	4,597	2,057	156	55	5,661	187	415	4,928	1,801

STATE ELECTION, NOVEMBER 3, 1908 — *Continued.*

		COUNCILLOR. Third District.				COUNCILLOR. Fourth District.			SENATOR. Second Suffolk.					SENATOR. Third Suffolk.				SENATOR. Second Middlesex.			
		Edward P. Barry, Dem.	Charles S. Parr, Rep.	Augustus Seaver, I. L.	Blank.	Walter S. Glidden, Rep.	Thomas Hooper, I. L.	Blank.	Henry A. H. Gifford, Rep.	George F. Monahan, D. C.	Richard S. Teeling, Dem.	Harry E. Waldstein, I. L.	Blank.	Edward W. Dixon, Dem.	Eben S. Johnson, Rep.	Kristian N. Skanen, I. L.	Blank.	J. Joseph Foley, Dem.	Albin M. Richards, I. L.	Thorndike Spalding, Rep.	Blank.
WARD	PRECINCT																				
1	1	288	25	11	64				27	45	238	16	62								
1	2	249	54	16	51				56	42	208	14	50								
	Totals	537	79	27	115				83	87	446	30	112								
2	1	295	46	13	67				48	82	217	11	63								
2	2	228	30	10	63				25	52	185	6	63								
	Totals	523	76	23	130				73	134	402	17	126								
3	1	223	26	9	59				23	72	156	9	57								
3	2	193	15	6	44				17	61	142	5	33								
3	3	205	60	19	65				60	53	160	14	62								
3	4	196	57	13	28				55	26	170	13	30								
	Totals	817	158	47	196				155	212	628	41	182								
4	1	135	38	6	30									130	42	5	32				
4	2	116	110	18	29									106	120	13	34				
4	3	96	116	19	36									94	123	13	37				
4	4	102	134	19	49									98	148	15	43				
	Totals	449	398	62	144									428	433	46	146				
5	1					115	47	154										163	15	107	31
5	2					161	35	161										163	11	150	33
5	3					287	27	84										88	8	282	20
5	4					295	27	63										38	24	298	25
	Totals					858	136	462										452	58	837	109

6	1					145	39	130									85	19	150	60
6	2					217	52	110									98	32	212	37
6	3					197	44	163									163	13	195	33
6	4					306	22	79									61	17	295	34
	Totals					865	157	482									407	81	852	164
7	1					220	38	133									136	21	202	32
7	2					159	32	153									149	10	151	34
7	3					331	36	102									85	22	320	42
7	4					178	31	134									84	19	183	57
	Totals					888	137	522									454	72	856	165
8	1					262	35	125									106	17	257	42
8	2					319	31	117									82	11	327	47
8	3					120	46	263									249	14	114	52
	Totals					701	112	515									437	42	698	141
9	1					362	40	89									85	20	356	30
9	2					248	28	164									141	13	244	42
9	3					193	40	144									131	14	205	27
	Totals					803	108	397									357	47	805	99
10	1					310	20	85									74	10	311	20
10	2					263	21	72									62	12	260	22
10	3					70	39	171									175	12	64	29
	Totals					643	80	328									311	34	635	71
11	1					297	45	105									110	19	293	25
11	2					163	65	199									222	11	143	51
11	3					78	51	235									239	14	61	50
	Totals					538	161	539									571	44	497	126
	Grand Totals	2,326	711	159	585	5,296	891	3,235	311	433	1,476	88	420	428	433	46	146	2,989	378	5,180	875

D. C.—Democratic Citizen.
Rep.—Republican.
S. L.—Socialist Labor.
I. L.—Independence League.
Soc.—Socialist.
Pro.—Prohibition.
Dem.—Democratic.

STATE ELECTION, NOVEMBER 3, 1908 — *Continued.*

REPRESENTATIVES IN GENERAL COURT.

		FIRST MIDDLESEX DISTRICT.								SECOND MIDDLESEX DISTRICT.											THIRD MIDDLESEX DISTRICT.										
		Manuel Andrew, Dem.	William M. Hogan, Dem.	Jeremiah J. Leonard, Soc. Cit.	William J. O'Donnell, I. L.	Joseph Pavey, Soc. Cit.	William Ward, Rep.	Thomas Ryan.	Blank.	James W. Bean, Rep.	James A. Burns, Dem.	Edward Cassity, I. L.	Lewis Grant Little, I. L.	James Mercer, I. L.	Julius Meyers, Rep.	Harry A. Penniman, Rep.	James L. Pitt.	Edward J. Barry.	Kendall.	C. H. Wiggin.	Blank.	Philip R. Ammidon, Dem.	Ira F. Bowlby, I. L.	Samuel D. Elmore, Rep.	Carl J. E. Josephson, I. L.	Harry N. Stearns, Rep.	John T. Sullivan, Dem.	John Vogel, I. L.	Russell A. Wood, Rep.	James M. Shannon.	Bowser.	Blank.
WD.	PRE.																														
1....	1....	312	230	10	17	4	31	..	172																						
1....	2....	276	195	11	10	3	64	..	181																						
	Tls..	588	425	21	27	7	95	..	353																						
2....	1....	295	269	4	20	8	44	1	201																						
2....	2....	234	215	3	13	1	24	..	172																						
	Tls..	529	484	7	33	9	68	1	373																						
3....	1....	232	197	11	17	9	26	..	142																						
3....	2....	183	178	5	10	6	20	..	114																						
3....	3....	221	197	9	27	12	59	..	173																						
3....	4....	191	184	8	18	5	51	..	131																						
	Tls..	827	756	33	72	32	156	..	560																						
4....	1....									51	125	18	14	10	49	39	..	..	..	..	321										
4....	2....									131	106	19	16	21	133	127	1	..	..	..	265										
4....	3....									141	80	22	23	21	141	133	..	..	..	..	240										
4....	4....									161	95	27	25	22	161	150	..	..	..	..	271										
	Tls..									484	406	86	78	74	484	449	1	..	..	..	1,097										
5....	1....									118	158	34	25	17	109	96	..	..	..	..	391										
5....	2....									169	152	24	21	13	170	149	..	..	..	..	373										
5....	3....									294	85	17	15	5	277	274	..	..	..	..	227										
5....	4....									309	39	17	27	23	291	286	..	..	..	..	163										
	Tls..									890	434	92	88	58	847	805	..	..	..	..	1,154										

6....	1....									147	79	33	27	22	155	169	..	..	..	..	310										
6....	2....									225	84	25	26	25	231	240	..	..	..	..	281										
6....	3....									196	141	29	23	23	205	216	..	..	..	..	379										
6....	4....									298	56	21	20	17	292	305	..	..	..	..	212										
	Tls..									866	360	108	96	87	883	930	..	..	..	..	1,182										
7....	1....									201	122	28	30	21	234	205	..	..	..	..	332										
7....	2....									165	141	26	22	15	180	158	..	1	..	..	324										
7....	3....									325	58	21	24	22	357	335	..	..	..	1	264										
7....	4....									181	89	23	24	23	196	180	..	..	1	..	312										
	Tls..									872	410	98	100	81	967	878	..	1	1	1	1,232										
8....	1....																					163	20	239	15	243	88	13	211	..	..	274
8....	2....																					133	11	311	6	310	66	8	287	..	..	269
8....	3....																					233	19	110	17	108	205	15	141	1	..	438
	Tls..																					529	50	660	38	661	359	36	639	1	..	981
9....	1....																					143	15	341	14	354	64	12	317	..	..	213
9....	2....																					192	13	230	10	240	136	10	221	..	..	268
9....	3....																					158	20	176	18	185	109	18	181	..	..	266
	Tls..																					493	48	747	42	779	309	40	719	..	..	747
10....	1....																					129	11	291	14	287	58	15	273	..	..	167
10....	2....																					101	13	254	6	258	51	6	227	..	..	152
10....	3....																					170	16	52	15	55	166	19	81	..	..	266
	Tls..																					400	40	597	35	600	275	40	581	..	..	585
11....	1....																					152	22	271	20	265	91	18	256	..	..	246
11....	2....																					232	18	135	18	133	189	12	169	..	1	374
11....	3....																					231	16	48	16	51	207	17	104	..	..	402
	Tls..																					615	56	454	54	449	487	47	529	..	1	1,022
Gd.	Tls..	1,944	1,665	61	132	48	319	1	1,286	3,112	1,610	384	362	300	3,181	3,062	1	1	1	1	4,665	2,037	194	2,458	169	2,489	1,430	163	2,468	1	1	3,335

S. L.—Socialist Labor.
Rep.—Republican.
Soc.—Socialist.
I. L.—Independence League.
Pro.—Prohibition.
Soc. Cit.—Socialist Citizen.
Dem.—Democratic.

STATE ELECTION, NOVEMBER 3, 1908 — *Continued.*

		COUNTY COMMISSIONER.				ASSOCIATE COMMISSIONER (vacancy).				COUNTY COMMISSIONER (vacancy).				REGISTER PROBATE AND INSOLVENCY.			
		Edward Gallagher, Dem.	Levi S. Gould, Rep.	Charles F. Walcott, I. L.	Blank.	James F. McCarthy, Jr., Dem.	Alfred W. Parnell, I. L.	Frank A. Patch, Rep.	Blank.	George R. Duren, Dem.	Andrew W. Jones, I. L.	Charles H. Richardson, Rep.	Blank.	John F. Holland, Dem.	Wm. E. Rogers, Rep.	Roswell C. Ross, I. L.	Blank.
WARD	PRECINCT																
1	1	254	29	10	95	251	10	28	99	248	13	28	99	258	27	9	94
1	2	196	54	12	108	200	11	51	108	192	18	55	105	201	55	11	103
	Totals	450	83	22	203	451	21	79	207	440	31	83	204	459	82	20	197
2	1	230	44	12	135	230	12	46	133	219	14	47	141	225	47	14	135
2	2	192	23	8	108	185	10	27	109	188	14	25	104	186	25	10	110
	Totals	422	67	20	243	415	22	73	242	407	28	72	245	411	72	24	245
3	1	170	25	6	116	171	6	22	118	169	9	22	117	168	24	7	118
3	2	160	17	4	77	160	4	15	79	160	5	13	80	161	12	4	81
3	3	164	56	11	118	162	9	55	123	154	14	55	126	165	53	9	122
3	4	157	48	11	78	157	9	51	77	151	15	45	83	154	52	11	77
	Totals	651	146	32	389	650	28	143	397	634	43	135	406	648	141	31	398
4	1	117	35	5	52	112	4	35	58	114	5	38	52	111	38	4	56
4	2	89	103	14	67	90	16	102	65	87	19	99	68	87	101	15	70
4	3	76	115	13	63	77	13	112	65	71	18	109	69	74	111	15	67
4	4	84	134	20	66	83	18	138	65	77	21	135	71	80	137	17	70
	Totals	366	387	52	248	362	51	387	253	349	63	381	260	352	387	51	263
5	1	146	85	15	70	152	12	80	72	147	19	77	73	149	81	13	73
5	2	148	127	13	69	140	11	125	81	143	16	125	73	147	123	11	76
5	3	79	257	10	52	74	9	257	58	74	10	260	54	73	265	8	52
5	4	32	264	28	61	26	27	268	64	29	28	267	61	29	272	25	59
	Totals	405	733	66	252	392	59	730	275	393	73	729	261	398	741	57	260

6	1	73	118	20	103	70	22	116	106	68	28	115	103	68	120	20	106
6	2	79	190	29	81	78	27	195	79	74	31	200	74	76	194	29	80
6	3	116	161	18	109	118	15	159	112	112	23	161	108	122	157	17	108
6	4	48	278	18	63	47	16	278	66	47	20	276	64	46	278	17	66
	Totals	316	747	85	356	313	80	748	363	301	102	752	349	312	749	83	360
7	1	113	176	14	88	114	16	179	82	116	19	171	85	111	182	19	79
7	2	131	124	8	81	137	10	119	78	128	11	124	81	130	125	8	81
7	3	59	302	18	90	55	20	298	96	57	22	300	90	62	298	20	89
7	4	83	156	20	84	79	16	154	94	81	20	154	88	82	156	16	89
	Totals	386	758	60	343	385	62	750	350	382	72	749	344	385	761	63	338
8	1	101	233	25	63	101	20	234	67	99	21	233	69	101	235	21	65
8	2	75	289	22	81	75	12	297	83	69	17	292	89	75	296	12	84
8	3	232	90	11	96	235	8	89	97	225	10	89	105	233	92	6	98
	Totals	408	612	58	240	411	40	620	247	393	48	614	263	409	623	39	247
9	1	84	324	23	60	81	17	325	68	80	25	319	67	83	335	13	60
9	2	134	228	11	67	136	9	228	67	133	12	230	65	137	237	6	60
9	3	122	165	21	69	123	18	162	74	118	16	168	75	124	165	18	70
	Totals	340	717	55	196	340	44	715	209	331	53	717	207	344	737	37	190
10	1	73	271	11	60	73	8	272	62	72	13	269	61	69	272	9	65
10	2	46	246	16	48	51	50	205	50	51	10	245	50	48	248	9	51
10	3	158	48	16	58	156	14	47	63	151	21	46	62	152	52	13	63
	Totals	277	565	43	166	280	72	524	175	274	44	560	173	269	572	31	179
11	1	92	266	20	69	96	17	261	73	92	21	263	71	94	266	18	69
11	2	208	118	12	89	210	12	120	85	197	18	117	95	207	120	14	86
11	3	208	46	15	95	210	13	48	93	204	14	46	100	209	44	15	96
	Totals	508	430	47	253	516	42	429	251	493	53	426	266	510	430	47	251
	Grand Totals	4,529	5,245	540	2,889	4,515	521	5,198	2,969	4,397	610	5,218	2,978	4,497	5,295	483	2,928

S. L.—Socialist Labor. Soc.—Socialist. Pro.—Prohibition. I. L.—Independence League. Dem.—Democratic.

MUNICIPAL ELECTION, MARCH 9, 1909.

WARD	PRECINCT	Whole Number of Ballots Cast.	MAYOR.				ASSESSOR.						LIQUOR QUESTION.			PLAYGROUND QUESTION.		
			Brooks, William F. Dem.	Eastman, William Rotus Soc.	Wardwell, Walter C. I. L.—Non-p. M.	Blank.	Bryant, Arthur Alexis Soc.	Coolidge, Ellery C. Non-p. M.	Good, Timothy W. Dem.	Richards, Albin M. I. L.	George Chaplin	Blank.	Yes.	No.	Blank.	Yes.	No.	Blank.
1	1	399	349	0	48	2	13	30	325	6	..	25	208	163	28	321	34	44
1	2	381	279	3	93	6	11	67	274	5	..	24	164	183	34	307	19	55
	Totals	780	628	3	141	8	24	97	599	11	..	49	372	346	62	628	53	99
2	1	413	319	5	88	1	11	48	323	2	..	29	188	197	28	324	22	67
2	2	344	266	2	72	4	14	40	257	6	..	27	154	165	25	280	36	28
	Totals	757	585	7	160	5	25	88	580	8	..	56	342	362	53	604	58	95
3	1	302	250	2	48	2	7	22	254	2	..	17	154	114	34	230	8	64
3	2	308	250	3	51	4	4	17	261	2	..	24	171	102	35	226	24	58
3	3	347	246	4	97	0	10	66	247	4	..	20	142	171	34	261	28	58
3	4	316	244	1	66	5	5	46	237	3	..	25	143	142	31	245	15	56
	Totals	1,273	990	10	262	11	26	151	999	11	..	86	610	529	134	962	75	236
4	1	253	177	2	68	6	8	43	183	1	..	18	124	94	35	182	7	64
4	2	274	125	3	143	3	4	99	131	30	..	10	78	183	13	220	20	34
4	3	285	132	6	143	4	8	131	126	6	..	14	100	165	20	219	18	48
4	4	307	121	4	174	8	7	158	117	7	..	18	69	223	15	237	22	48
	Totals	1,119	555	15	528	21	27	431	557	44	..	60	371	665	83	858	67	194
5	1	317	187	2	126	2	3	103	192	3	..	16	122	176	19	257	15	45
5	2	363	193	2	163	5	3	146	193	4	..	17	77	275	11	291	26	46
5	3	358	94	2	260	2	1	237	101	6	..	13	47	298	13	271	39	48
5	4	337	42	2	293	0	5	271	35	13	1	12	43	285	9	257	41	39
	Totals	1,375	516	8	842	9	12	757	521	26	1	58	289	1,034	52	1,076	121	178

6	1	309	126	9	172	2	14	161	107	4	..	23	117	167	25	230	14	65
6	2	347	122	6	216	3	12	193	113	9	..	20	124	201	22	280	12	55
6	3	414	201	2	206	5	8	177	195	5	..	29	117	264	33	355	16	43
6	4	382	84	4	290	4	7	268	83	10	..	14	60	305	17	311	28	43
	Totals	1,452	533	21	884	14	41	799	498	28	..	86	418	937	97	1,176	70	206
7	1	394	174	5	211	4	9	187	179	8	..	11	113	255	26	313	25	56
7	2	348	187	5	151	5	5	118	200	3	..	22	152	164	32	273	15	60
7	3	425	90	3	329	3	9	300	86	13	..	17	98	304	23	329	32	64
7	4	348	125	3	217	3	12	178	139	4	..	15	100	224	24	273	22	53
	Totals	1,515	576	16	908	15	35	783	604	28	..	65	463	947	105	1,188	94	233
8	1	383	131	3	248	1	6	222	139	4	..	12	87	281	15	308	27	48
8	2	406	101	3	298	4	7	251	128	6	..	14	81	300	25	311	23	72
8	3	463	342	2	114	5	3	78	358	3	..	21	268	167	28	384	12	67
	Totals	1,252	574	8	660	10	16	551	625	13	..	47	436	748	68	1,003	62	187
9	1	469	101	2	360	6	5	297	146	9	..	12	101	342	26	360	42	67
9	2	442	188	4	245	5	4	224	206	2	..	6	162	251	29	368	33	41
9	3	391	224	4	158	5	9	146	203	5	..	28	113	242	36	289	30	72
	Totals	1,302	513	10	763	16	18	667	555	16	..	46	376	835	91	1,017	105	180
10	1	339	78	4	256	1	3	203	123	4	..	6	52	277	10	273	33	33
10	2	303	59	3	236	5	3	215	74	5	..	6	32	262	9	223	27	53
10	3	297	227	0	68	2	1	60	222	2	..	12	156	123	18	240	12	45
	Totals	939	364	7	560	8	7	478	479	11	..	24	240	662	37	736	72	131
11	1	412	150	2	257	3	8	237	151	9	..	7	93	300	19	305	36	71
11	2	416	279	2	133	2	8	104	282	6	..	16	154	237	25	305	35	76
11	3	376	303	5	67	1	8	43	300	8	..	17	171	171	34	273	21	82
	Totals	1,204	732	9	457	6	24	384	733	23	..	40	418	708	78	883	92	229
	Grand Totals	12,968	6,566	114	6,165	123	255	5,186	6,690	219	1	617	4,335	7,773	860	10,131	869	1,968

I. L.—Independence League. Soc.—Socialist. Non-p. M.—Non-partisan Municipal. Dem.—Democratic.

CANDIDATES FOR ALDERMEN.

| | Allen, John Dem. | | Beal, Henry W. Non-p. M. | | Black, James F. Dem. | | Blanchard, Marshall F. Non-p. M. | | Brennan, John P. Dem. | | Brooks, Lawrence G. Non-p. M. | | Casey, Joseph M. Dem. | | Cavanaugh, William Soc. | | Clary, Oliver D. Non-p. M. | | Cooney, Willard P. Soc. | | Corkery, Jeremiah Dem. | | Danskin, John F. Non-p. M. | | Dodge, Winslow Herbert Non-p. M. | | Fallon, Bernard F. Dem. | | Forsberg, John Soc. | | Garland, Henry Soc. | | Hancock, Francis W. Soc. | | Higgins, Richard F. Non-p. M. | | Hurley, Dennis F. Dem. | | James, Edward B. Dem. | | Keefe, George Soc. | | Lawson, John V. W. Non-p. M. | | Lusk, Robert Soc. | | O'Connor, Michael M. Dem. | | Parker, William A. Non-p. M. | | Quilty, Joseph P. Dem. | | Seaver, Augustus I. L. | | Sharples, Philip P. Non-p. M. | | Spachman, Lewis G. Soc. | | Stephens, George Non-p. M. | | Sullivan, Joseph A. Dem. | | Tiefenthal, John, Jr. Soc. | | Dunn, Alexander | Blank. |
|---|---|---

WARD 6																																			
Precinct 1	104	164	102	166	96	164	95	10	171	12	97	165	153	99	13	17	12	158	93	100	15	158	12	95	158	94	17	144	11	157	90	9	..	448
" 2	107	214	107	209	100	205	102	14	202	13	105	201	193	117	15	11	15	197	90	108	10	201	8	98	200	95	18	180	10	187	97	7	..	381
" 3	183	192	181	187	183	186	176	7	195	9	188	187	168	198	7	5	5	183	171	183	6	177	5	176	182	169	16	168	5	177	163	5	..	511
" 4	71	284	72	286	74	285	66	8	280	7	84	282	267	78	8	5	9	278	68	91	7	251	6	75	281	69	21	266	6	271	67	7	..	272
Totals..	465	854	462	848	453	840	439	39	848	41	474	835	781	492	43	38	41	816	422	482	38	787	31	444	821	427	72	758	32	792	417	28	..	1612
WARD 7																																		
Precinct 1	152	203	153	205	167	197	152	13	198	7	177	201	183	161	7	7	11	187	152	164	7	194	9	145	195	153	17	186	7	187	150	7	..	380
" 2	171	128	179	127	184	125	178	5	130	5	201	131	123	183	5	2	4	127	173	163	10	124	2	168	121	173	9	114	6	120	167	4	..	466
" 3	64	324	70	326	68	313	63	7	316	7	89	323	302	75	4	6	9	301	54	81	6	289	5	60	311	71	14	300	4	309	51	2	..	451
" 4	108	195	109	195	119	188	112	12	195	10	134	202	173	121	8	4	6	186	106	111	8	187	8	101	178	114	16	165	9	178	99	6	1	464
Totals..	495	850	511	853	538	823	505	37	839	29	601	857	781	540	24	19	30	801	485	519	31	794	24	474	805	511	56	765	26	794	467	19	1	1761
WARD 8																																		
Precinct 1	111	249	109	245	102	244	107	5	248	6	110	238	230	103	4	5	4	238	100	118	6	237	3	106	240	107	7	240	5	247	100	4	..	335
" 2	84	278	84	280	104	284	92	5	270	5	100	271	261	87	4	6	4	267	79	100	5	266	3	84	273	93	12	265	4	288	77	3	..	428
" 3	307	97	330	100	348	93	318	6	97	6	351	96	91	324	6	7	5	89	316	304	5	91	5	320	83	313	13	78	3	99	308	2	..	482
Totals..	502	624	523	625	554	621	517	16	615	17	561	605	582	514	14	18	13	594	459	522	16	594	11	510	596	513	32	583	12	634	485	9	..	1245
WARD 9																																		
Precinct 1	87	356	85	347	93	347	86	2	347	7	86	341	334	84	7	4	4	339	76	105	3	342	3	77	343	91	19	345	6	344	75	2	..	372
" 2	173	239	179	239	183	244	176	4	243	4	184	238	236	179	5	3	4	236	169	172	4	242	4	176	240	179	6	244	3	259	168	3	..	226
" 3	184	161	182	161	192	162	185	8	162	9	191	155	156	181	7	4	6	151	178	201	9	156	6	177	154	192	7	156	5	163	172	7	..	461
Totals..	444	756	446	747	468	753	447	14	752	20	461	734	726	444	19	11	14	726	423	478	16	738	13	430	737	462	32	745	14	766	415	12	..	1059
WARD 10																																		
Precinct 1	69	247	65	252	68	250	67	3	243	2	75	245	237	70	3	1	3	241	62	79	3	247	2	69	243	74	12	245	2	245	59	3	..	243
" 2	48	233	46	244	43	229	48	4	226	2	48	225	223	45	3	4	4	232	42	54	2	230	3	42	226	69	5	228	3	233	43	2	..	244
" 3	209	66	215	74	213	67	214	2	74	6	214	66	62	207	1	0	0	67	210	209	1	66	0	210	64	220	6	63	0	60	203	0	..	198
Totals..	326	546	326	570	324	546	329	9	543	10	337	536	522	322	7	5	7	540	314	342	6	543	5	321	533	363	23	536	5	538	305	5	..	685
WARD 11																																		
Precinct 1	107	265	106	265	104	264	114	9	262	9	111	246	246	111	7	6	7	251	106	115	6	249	3	111	241	189	18	243	4	253	99	4	..	410
" 2	236	120	231	125	230	117	251	10	127	9	240	112	105	227	7	5	5	115	229	225	6	110	4	244	111	319	9	101	7	116	222	5	..	596
" 3	258	51	264	52	257	51	286	10	63	9	266	40	40	260	8	10	10	43	258	248	10	42	6	273	42	309	13	36	9	41	254	8	..	609
Totals..	601	436	601	442	591	432	651	29	452	27	617	398	391	598	22	21	22	409	593	588	22	401	13	628	394	808	40	380	20	410	575	17	..	1615
Grand Totals..	5820	5777	5964	5802	5930	5688	5830	288	6083	276	6086	5584	5380	5905	220	205	221	5486	5623	5880	236	5419	158	5766	5544	5997	392	5273	169	5497	5516	152	1	14,480

I. L.—Independence League. Dem.—Democratic. Non-p. M.—Non-partisan Municipal. Soc.—Socialist.

CANDIDATES FOR COMMON COUNCIL.

Ward One.

	Jeremiah J. Leonard, Soc.	John A. McDonald, Dem.	John E. Quinn Dem.	Blank.
Precinct 1	30	334	330	104
" 2	38	261	288	175
Total	68	595	618	279

Ward Two.

	Frederick H. Burke, Dem.	John H. Trodden Dem.	Blank.
Precinct 1	321	308	197
" 2	281	250	157
Total	602	558	354

Ward Three.

	Charles F. Murphy, Dem.	Daniel D. Sheahan, Dem.	Blank.
Precinct 1	241	239	124
" 2	240	232	144
" 3	236	252	206
" 4	226	241	165
Total	943	964	639

Ward Four.

	Benjamin F. Chase, Non-p. M.	Mark R. Delaney Dem.	Philip S. Hamilton Non-p. M.	Robert H. O'Neil Dem.	Blank.
Precinct 1	66	163	49	181	47
" 2	126	114	129	132	47
" 3	153	103	128	127	59
" 4	162	103	165	116	68
Total	507	483	471	556	221

CANDIDATES FOR COMMON COUNCIL.

Ward Five.

	Albert M. Chandler Non-p. M.	Forris W. Norris Non-p. M.	Thomas P. Tierney, Dem.	John Murphy Dem.	Blank.
Precinct 1	102	111	190	1	230
" 2	162	155	179	.....	230
" 3	247	243	101	.....	125
" 4	289	282	33	.....	70
Total	800	781	503	1	655

Ward Six.

	Solomon H. Barnard Non-p. M.	Alfred Hodgins Soc.	Frederick A. Lincoln Non-p. M.	Blank.
Precinct 1	189	26	183	220
" 2	230	26	222	216
" 3	240	23	243	322
" 4	305	16	297	146
Total	964	91	945	904

Ward Seven.

	Charles E. Carruth, 2d Non-p. M.	Peter W. Clausen, Jr., Soc.	George F. Gibson Dem.	Robert McKinley, Jr. Dem.	Charles H. Millner Non-p. M.	Blank.
Precinct 1	194	14	139	150	186	105
" 2	127	8	157	171	140	93
" 3	330	16	59	83	284	78
" 4	202	17	93	106	171	107
Total	853	55	448	510	781	383

Ward Eight.

	Percy N. Bolster Non-p. M.	Richard J. Carr Dem.	David P. Crowley, Dem.	Irving N. Linnell Non-p. M.	Blank.
Precinct 1	237	119	100	243	67
" 2	281	88	93	274	76
" 3	154	275	290	90	117
Total	672	482	483	607	260

CANDIDATES FOR COMMON COUNCIL.

Ward Nine.

	Jesse W. Moreland Non-p. M.	Harry T. Stevens Dem.	John Ward Non-p. M.	Blank.
Precinct 1	368	89	349	132
" 2	248	173	285	178
" 3	190	195	169	228
Total	806	457	803	538

Ward Ten.

	Arthur E. Beane Non-p. M.	Louis F. Conant Non-p. M.	Blank.
Precinct 1	268	261	149
" 2	249	237	120
" 3	101	93	400
Total	618	591	669

Ward Eleven

	Edward B. Hines Non-p. M.	Timothy J. Horan, Dem.	Peter J. Nelligan Dem.	Thomas P. Hayward	Arthur P. Clarke	Blank.
Precinct 1	265	126	166	1	.....	266
" 2	130	262	279	.....	1	160
" 3	62	292	278	.....	.....	120
Total	457	680	723	1	1	546

MUNICIPAL ELECTION, MARCH 9, 1909.

		SCHOOL COMMITTEE.																		
			At Large—3 Years.			At Large—1 Years.				District No. 1.		District No. 2.		District No. 3.			
		Whole number of ballots cast for School Committee.	Beale, Joseph H., Jr. Dem. Non-p. M.	Scattering Votes.	Blank.	Downey, Jeremiah F. Dem. Non-p. M.	Callahan, W. Winter st.	Malley, Edward B.	Blank.	McMenimen, Fred A. Dem.	Blank.	Russell, J. Henry Dem. Non-p. M.	Blank.	Whitman, Florence Lee Dem. Non-p. M.	Tilton, Benjamin R.	Chase, Caroline	Blank.
WARD	PREC'T																
1.....	1.....	399	180	..	219	278	..	..	121	270	129						
1.....	2.....	381	190	..	191	241	..	..	140	256	125						
	Totals..	780	370	..	410	519	..	..	261	526	254						
2.....	1.....	413	192	..	221	285	..	..	128	262	151						
2.....	2.....	344	152	..	192	234	..	..	110	227	117						
	Totals..	757	344	..	413	519	..	..	238	489	268						
3.....	1.....	302	134	..	168	236	..	..	66	211	91						
3.....	2.....	308	129	..	179	225	..	..	83	204	104						
3.....	3.....	347	184	..	163	269	..	..	78	213	134						
3.....	4.....	316	153	1	162	252	..	..	64	197	119						
	Totals..	1,273	600	1	672	982	..	..	291	825	448						
4.....	1.....	253	115	..	138	171	..	..	82			117	136				
4.....	2.....	275	180	1	94	207	..	..	68			171	104				
4.....	3.....	285	175	..	110	206	..	..	79			156	129				
4.....	4.....	309	222	..	87	229	..	..	80			212	97				
	Totals..	1,122	692	1	429	813	..	..	309			656	466				
5.....	1.....	318	184	..	134	219	..	..	99			160	158				
5.....	2.....	364	231	..	133	271	..	..	93			219	145				
5.....	3.....	366	282	..	84	277	..	..	89			275	91				
5.....	4.....	347	288	..	59	237	..	..	110			275	72				
	Totals..	1,395	985	..	410	1,004	..	..	391			929	466				
6.....	1.....	309	178	..	131	205	..	..	104			167	142				
6.....	2.....	348	248	..	100	246	..	..	102			222	126				
6.....	3.....	414	259	1	154	284	..	..	130			231	183				
6.....	4.....	386	316	..	70	300	..	..	86			299	87				
	Totals..	1,457	1,001	1	455	1,035	..	..	422			919	538				
7.....	1.....	395	258	..	137	298	..	..	97			255	140				
7.....	2.....	348	192	..	156	223	..	..	125			177	171				
7.....	3.....	426	332	..	94	298	..	..	128			315	111				
7.....	4.....	348	226	..	122	226	..	..	122			203	145				
	Totals..	1,517	1,008	..	509	1,045	..	..	472			950	567				
8.....	1.....	402	309	..	93	318	..	..	84					299	..	..	103
8.....	2.....	415	326	..	89	307	..	..	108					300	..	..	115
8.....	3.....	465	212	1	252	304	1	..	160					185	..	..	280
	Totals..	1,282	847	1	434	929	1	..	352					784	..	..	498
9.....	1.....	511	426	1	84	380	..	..	131					404	..	..	107
9.....	2.....	484	327	..	157	379	..	..	105					309	..	..	175
9.....	3.....	396	244	..	152	288	..	..	108					219	..	..	177
	Totals..	1,391	997	1	393	1,047	..	..	344					932	..	..	459
10.....	1.....	355	290	1	64	262	..	1	92					273	1	1	80
10.....	2.....	325	258	..	67	249	..	..	76					256	..	..	69
10.....	3.....	303	155	..	148	208	..	..	95					132	..	..	171
	Totals..	983	703	1	279	719	..	1	263					661	1	1	320
11.....	1.....	417	318	..	99	302	..	..	115					294	..	..	123
11.....	2.....	416	239	..	177	299	..	..	117					215	..	..	201
11.....	3.....	376	184	..	192	262	..	..	114					160	..	..	216
	Totals..	1,209	741	6	468	863	1	1	346					669	..	..	540
Grand	Totals..	13166	8,288	6	4,872	9,475	1	1	3,689	1,840	970	3,454	2,037	3,046	1	1	1,817

Non-p. M —Non-partisan Municipal.
Dem.—Democratic.
Soc.—Socialist.
I. L.—Independence League.

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